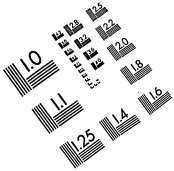

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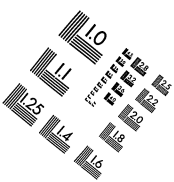

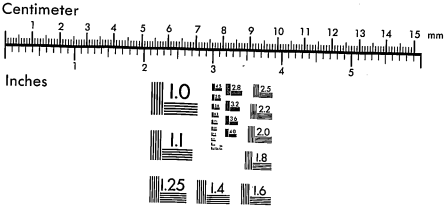
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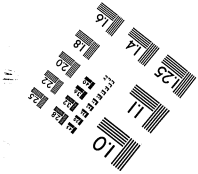

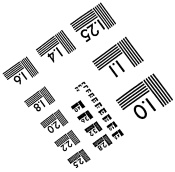

Thomas A Edison Papers

A SELECTIVE MICROFILM EDITION

PART I
(1850–1878)

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18

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1878. Electric Light - Edison Electric Light Company (D-78-020)

Correspondence, some by Edison; memorandum, articles of incorporation.

Not selected: duplicate copies of correspondence.

T. A. EDISON. 350

Menlo Park, N. J., Sept 17 1878

N.Y. 17

T. A. Edison
Menlo Park

Please meet us at our office tomorrow morning very important

Porter Lowrey
Soren & Stone

10 AM
Bwg

Room 22,
2d floor
Western Union Building,
Newyork Sept 19 78

Thos A. Edison Esq
Dear Sir,

I would like to see you at the above address; at your earliest convenience — I have something to say to you of so much importance to you and myself, that I wish you would appoint an early day, say Saturday next at 11. O'clk to meet me as above, — as you will readily imagine, it is in relation to your new discovery, of which you spoke to me on Monday last.

Very Truly Yours
Tracy R. Edson

T. A. EDISON.

Menlo Park, N. J., Sept 21 1875

N.Y. 21
T A Edison
NW
Are you coming here today
answer paid
Tracy R Edison
paid

T. A. EDISON.

~~Menlo Park~~, N. J., 187

New York Sep 21-75

To T A Edison
You may expect me
monday noon
sig
Tracy R Edison

John H. Porter
Grosvenor P. Lowrey
Geo. Yeaks Stone
Chr. Francis Stone
George S. Hamilton

P.O. Box 1836.

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street (DREXEL BUILDING.)
New York, September 24 1878.

Thomas A. Edison Esq.
Dear Sir:

Mr Lowrey directs me to inform you that he telegraphed you at Menlo Park this morning reminding you that he should like to see you at Tarrytown tonight, he would like to leave the office at about 3.30 P.M.

Respy Yours
Francis Jordan

T. A. EDISON. / 7022

Menlo Park, N. J., Sept 24 1878

Tarrytown N Y 24
T A Edison

Not forget your engagement with me for tonight I would like to leave office at half past three
G P Lowrey

17PM

Sept 24 75

Mrs Edison

Ad should have this message by 12 o'clock so that he can get the 1 o'clock train from Milwaukee if necessary

E. E. Potter

T. A. EDISON.

1

Menlo Park, N. J., Sept 24 1878

~~Tribune and Follow~~

Tracy R Edison

Gold & Stock Telegh Co NY

Up all night on light cannot come will see you tomorrow

11DH

Edison

810 Va 9

T. A. EDISON.

Menlo Park, N. J., Sept 24 1878

NY at 7 a E

I want to see you tomorrow at eleven o'clock Can you come in answer

H McK Twombly

12DH

2

H McK Twombly NY

Yes I will be in tomorrow

T. A. Edison

6DH

410 9 Nov

T. A. EDISON. 3

Menlo Park, N. J., Sept 24 1878

Grosvenor P Lowrey
3 Broad St NY

Edison was up all night
Went to bed at ten o'clock
think he forgot Engagement
with you

O L Griffin
secy

18 paid
Chg Edison

4 20 pm
9 Va

T. A. EDISON. 5 426

Menlo Park, N. J., Sept 24 1878

NY 24 T A Edison

Yours recd will expect
you Wednesday morning
at same hour

Tracy R Edison

10 paid
Chg

T. A. EDISON. 1 1130

Menlo Park, N. J., Sept 26 1878

T A Edison
Mx

~~Important to see you~~
Will you come to town and spend the night with me or shall I come to Menlo Park

G P Tourney

21 5H
GPT
*

If I come to New York I love the day-time valuable on light please send out,

16 5H
1145 AM Edison
G P T

T. A. EDISON. 3

Menlo Park, N. J., Sept 28 1878

My 28
Thos A Edison Mx

Meet us at my office monday before going to Wrays
Tracy P Edson

10 paid
Sup

John H. Porter
Grosvenor P. Lowrey
Jno. Wells Strong
Chas. Barnes Stone
George S. Hamlin

(P.O.Box 1836)

Porter, Lowrey, Strong & Stone,

Attorneys & Counsellors at Law,

No. 3 Broad St. nd. (DREXEL BUILDING.)

New York, Sept 28th 1878

My Dear Edison:

I have not received a notification from Mr Edson of Mondays meeting. My impression is that they prefer not to talk with me in advance of our coming together. I am quite convinced that it will be most for your interest and mine, in dealing with them, that I should act with and for you, entirely; and I shall therefore decline to be interested, and will approach the whole matter from your side of the business.

I will be at my office at ten o'clock on Monday morning. I think you should come here before seeing either of them, that we may confer, and that I may inform myself, a little more fully, as to the terms which were proposed. You can then call upon Mr Edson and return with him to my office.

Yours Very truly

G. P. Lowrey

Thos. A. Edison Esq
Menlo Park
N.J.

T. A. EDISON. / 145 Pm

Menlo Park, N. J., Sept 30 1878

NY 30

T A Edison
Mlo

I must have misunderstood you as to the day of meeting here. Do it tomorrow I have some good news for you

G B Lowrey

2 WH
Stamp
Pd 9

T. A. EDISON. 2 7 Pm

Menlo Park, N. J., Sept 30 1878

Over

V

Harrison McKay Twombly
Windsor Hotel
NY

All right

T. A. Edison

Rush

Over

T. A. EDISON. 2 2 Pm

Menlo Park, N. J., Oct 1 1878

My 1 T. A. Edison

Can in this aft [illegible]
[illegible] what time
you will be here
H. McK Twombly

AH 2

Edison has just gone to bed.

Batchelor

6/K 3 0 8
9 9n

T. A. EDISON. 3 3 00

Menlo Park, N. J., Oct 1 1878

My 1 T. A. Edison
MS

Andrews has postponed his trip so you can come over

H McK Twombly

DA

T. A. EDISON. 3

Menlo Park, N. J., Oct 1st 1878

H M C K - Twombley
NY

I suggest that our wire be put on your telephone in your office then you can carry on private conversation Answer what to do

Batchelor

T. A. EDISON. 4 316

Menlo Park, N. J., Oct 1 1878

NY 1 T A Edison

You can stay in town all night Twombly

T. A. EDISON. 5 5=7

Menlo Park, N. J., Oct 1 1878

Jersey City Depot N J Oct 1st

T A Edison

Menlo Park

We missed the four train
will take the 5=20

Chauncey M Depew

T Chau

12 DH 24
Gm 9

T. A. EDISON. 5

Menlo Park, N. J., Oct 1st 1878

H McK Twombly NY

Will be in NY at seven
twenty where will you be

Edison

SH

T. A. EDISON. 1 815

Menlo Park, N. J., Oct 1 1878

Jersey City 1st

T A E

Small lamp
Return on seven
thirty four and drive
to Menlo Park wait

H McK Twombly

13 DH
Gm 9

John H. Porter
Genevieve P. Lowrey
Geo. Wells Green
Ellis Turner Stone
George F. Hamilton

P.O. Box 1836

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street, (DREXEL BUILDING.)
New York, Oct 1st 1878

My dear Edison

I agree with you entirely as to Mr Swombly; & if he had not been at my office on my arrival, I should have been at his within a half hour to lay my plan before him – as it was he agrees with me in everything except giving the bos people any option – I explained that I resorted to that merely as one means of putting some money in your pocket without taking it from our own subscribers, & asked if he would be willing to add that to the amount to be paid in so as to get for you the clear sum of $100,000 all cost of machinery experiments &c to be paid out of the Company's treasury – He answered very frankly & promptly that

John W. Porter
Grosvenor P. Lowrey
Gen. Hicks Loton
Chr. Thomas Stone
George F. Hamlin

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street (DREXEL BUILDING.)
New York, _____ 187_

P.O.Box 1836.

2

he would I believe now that he and I have a fair prospect working together to get you that sum, to provide an ample working capital, & to satisfy Mr Banker, & Edison & ~~upon these~~ special points I cannot now take the time to set them forth, but if you can receive a visit on Thursday or Friday from Mr Billing & two or three others I will have everything ready & will talk it all over – Please let me know what day to go over –

Give your whole mind to the light – I will see that not only do you get what you ought to have but that every reasonable expectation of those who have spoken to you is satisfied – I want Western business people to have the best chance at this because both you & I know who we are dealing with, & my night reflection has

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Grosvenor P. Lowrey
Gen. Fields Selon
Chs. Francis Stone
George L. Hamilton

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Attorneys & Counsellors at Law,
No. 3 Broad Street, (DREXEL BUILDING.)
New York, _____ 187__

P.O. Box 1836.

3

determined me to call on Mr Trowbly this morning – We are therefore quite in accord in this respect, & I welcome Mr Trowbly's co-operation, for I believe he will do so. he said he would (i.e.) try to get you a suitable & worthy compensation instead of trying as is not unnaturally the usual custom, to get the lowest price which your modesty or your necessities might make possible –

I enclose a copy of a letter just written by me to him in response to a request for a copy of a project for a company of which I showed him.

By the way, Mr Billings says that twenty per cent per eight would give you a income exceeding Mr Stewart's – I told him & Trowbly that some fixed royalty would be a condition, the a

John H. Porter
Gouverneur P. Lowrey
Geo. Wall Lowrey
Chas. Barnes Stone
George T. Hamilton

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Attorneys & Counsellors at Law,
No. 3 Broad St. (DREXEL BUILDING.)
New York, _____ 187__

cause you were thus assured of something definite, but the amount might properly be the subject of negotiation upon the basis of your getting $100,000 of their getting their money back before the payment of any dividends.

You will note what I have said about their having one year before paying the second fifty thousand.

Keep your expectations moderate, notwithstanding this suggestion of large figures. Perhaps we may not get it all.

G. T. Lowrey

You will probably have to cure Edison's disappointment by giving them (confidentially) in addition to what they subscribe for, $5000 of your free stock.

[ENCLOSURE]

John H. Porter
Benjamin F. Lowrey
Geo. Yates Screven
Chas. Barnes Stone
George T. Hamilton

P.O. Box 1836

Porter, Lowrey, Screven & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street, (DREXEL BUILDING.)
New York, Oct 1st 1878.

(Copy)

My Dear Mr Edison,

I have been detained so long that I cannot now write as I wished with the memorandum which I read to you this morning and I therefore submit in this form the substantial part of a project for a company to own and use or license the use of Edison's electric light.

First I understand that all serious difficulties have been overcome and that there is every reason to believe that he has discovered the means of giving an electrical light suitable for every use at a greatly reduced cost as compared with the cost of gas.

He is willing to sell one half of this invention for $150 000, payable, say $50 000 upon the execution of a contract between him and a com-

[ENCLOSURE]

company to be formed; $50 000 cash and of stock, one year provided the company then desire to go on, his patents to be all reassigned and his contracts cancelled in case they do not wish to go on; and $100 000 or so much as may be necessary to be disbursed by the company in experiments machinery & c requisite for completely perfecting all things connected with making the light.

Second. In order to accomplish the essential features of this, Mr Edison desires and suggests as a feasible method, that two organize a stock company, with a capital stock of $200,000, $150 000 of which to be issued as full paid stock and reserved by Mr Edison; $150 000 to be subscribed for by parties acceptable to yourself and to me.

Third. The board of directors to be chosen entirely by the subscribers ~~to the~~ each subscription subject however to objections by you or by myself. The object of the reservation being

[ENCLOSURE]

3

as was expressed between us to day, to protect Mr Edison from the chance that persons interested in other means of lighting might seek the control of such a company with a view to suppress rather than to develope this invention

Fourth = After the Company shall be in operation the first profits to be devoted to the repayment to cash subscribers of the amount paid in - After such repayment Mr Edison to have a fixed royalty per annum per light, the amount of which I cannot even intelligently suggest now, although as you are aware Mr Edison and Mr Barker had in their proposed contract with him fixed it at 25$ per light per annum, and after the payment of that royalty

[ENCLOSURE]

4

the profits to be divided upon the stock as in every other case. (margin A.)

I think on the whole, I will wait until I can see you tomorrow and have the benefit of your reflection upon these points before reducing the matter to the form of a contract or prospectus. This may save me some little trouble, and be done beneficially.

I have said nothing about the matter which we so fully discussed — (i.e) the way in which these stock subscriptions should be distributed. You understand that in this matter I am acting for Mr Edison, charged with the duty of protecting his interest solely. I should prefer to have this thing taken up among our friends because we then know with whom we are dealing. But there are some reasons, as I expressed to you to day, why I think one third of the cash subscription should be distributed among good men like Mr David Dows and Mr A. M. Barney, and others having no connection of any sort with Gas Companies; that some (perhaps a third, but certainly far from a controlling

(A) I assume that there can be no objection to a royalty fixed at a fair amount and payable to the inventor before making dividends, since, as the stockholders will be the owners of the half Phonograph inventions from the patents & the company of Mr Edison on & from the expiration of the five years, for the limited sale and use of the inventions.

[ENCLOSURE]

(5)

interest) should go to parties who are distinctively in the Gas interest or other lighting interests; and the remainder (and I should hope the larger portion) I should like to see taken by Western Union people.

Truly Yours
(Sd) G. S. Lowrey
O.B.

John H. Porter
Grosvenor P. Lowrey
Geo. Welles Stone
Chas. Francis Stone
George S. Hamilton

P.O. Box 1836

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street, (DREXEL BUILDING.)
New York, Oct. 2nd 1878

My Dear Edison:

Mr Twombly met me on my arrival in New York this morning and took me to Mr Vanderbilt's house where I spent about an hour and a half. They seemed a good deal fortified by a remark of yours that I had put the figures up much higher than anything you had anticipated. I told them that proved how important it was that you should have a friend to advise you. We separated after a good deal of talk with an engagement to meet again at Mr Vanderbilt's house this evening.

In the meantime Mr Billings has been here, and I have telegraphed to know when you could show the light. He says the proposition which I made in the letter to Mr Twombly, (a copy of which I enclosed to you yesterday,) is reasonable, if the light is what I described it to be, and I have not attempted to do more than

describe what my eyes rested upon.

And, now, Mr Banker and Mr Edison have been here. Mr Edison declares himself ready and willing to take up the proposition as made to Mr Twombly and go right on with it. I repudiated entirely his interpretation of what had taken place as constituting a contract, and said to him that he knew perfectly well that nothing had been arrived at, and fixed, in such a way as to make it improper for either party to with-draw. He himself would have felt at perfect liberty to have said to you that day, after thinking about the electric light, "I don't think there is much in it, and I won't put any money in"; and you know that you would not have felt that you had any right to complain of him for that.

I intend to unite all these competing interests into one concern; and Mr Edison and Mr Banker have declared that they will be satisfied if they have a chance to subscribe, for $10,000 each, in the $150,000 subscription, if you will make

to them some private concession out of your stock. I would suggest that you give them $5000 each. I believe then that with this strong combination they will make more money than they would if they had been organized in the way they proposed with all the rest of the world outside fighting in the Courts and elsewhere. They have just left me, and Mr Edson seemed, on the whole, to be contented. I said "you must smile upon me when you meet me, and not think I have wronged you".

I do not see how you can do otherwise than come to New York if telegraphed for by Twombly; nevertheless I think in such matters two men may sometimes thwart each other, if they act separately, and you should be as reticent as you can, putting the matter upon me, or reasoning, before saying anything, that I should be present.

Mr Twombly and I have discussed various ways of paying the $100,000; and probably this evening then will

a proposition made that you shall receive $25000 Cash; that they spend $25000 for the experiments; that at the end of the year, if the experiments are successful, you shall have $25000 more, and that then you shall receive a yearly sum payable per month or per week, as you see fit instead of the round sum of $50.000 more, down. I think they will agree to this; and I suppose, from what I have heard you say about such matters, you would prefer the money payable in that way, from time to time.

I then propose that the first profits shall be used to restore these gentlemens money; that after that you shall have a royalty, the amount of which we must get at with a little more soundness of judgment than before, for they all laugh at 25% royalty, Mr Vanderbilt saying this morning that it would produce to you Mr Astors fortune every year, and he did not suppose you wanted so much. There will be, therefore, two

yearly sums to be provided for; one yearly sum in lieu of a cash payment of $50,000, and which may be made for your life or for the life of the patent, depending on what the sum is, and the other to be a yearly sum in lieu of royalty.

Mr Vanderbilt thought that would be more satisfactory to you than a royalty, because it is possible to cheat or be deceived in respect to royalties, and very difficult to keep the accounts.

I repeat to you that I see no difficulty in causing all these present competitors to unite to feel pleased with you and with me and with each other and give you what I demand.

And don't you tell people any more that I demand too much for you. I mean to be perfectly just, and would not willingly demand too much for you any more than I would willingly demand less than I think ought to be paid to you.

M L P Lowry

T. A. EDISON. 1 9a m

Menlo Park, N. J., Oct 11 1878

Tarrytown N Y 4

T. A. Edison ma

Mr Twombly and I will go out by eleven (11) o'clock train

G. P. Lowrey

11 OH
2 9

T. A. EDISON.

Menlo Park, N. J., 187

Menlo Park Oct 11 1878

Porter Lowrey Soren & Stone
Service Bldg N.Y.
Mr Lowrey says
have Mr Kent take up all my Letters

T A Edison

11.10 H

G. P. L.

T. A. EDISON. 1 1070

Menlo Park, N. J., Oct 15 1876

Mr T. A. Edison

Those gentlemen prefer to wait until some day next week when the light is in good condition to be seen. Send your messenger down for the money I will leave it at the office for him answer as soon as you get this because if there are no trains coming down I will send my messenger out by the 3 o'clock train

G P Lowrey

T. A. EDISON. 1

Menlo Park, N. J., Oct 15 1876

G P Lowrey Esq

All right will send my messenger

Edison

6 PM

G P Lowrey

T. A. EDISON. 2

Menlo Park, N. J., Oct 8 1878

New York 8
Thos A Edison

Please call on me Wednesday
or first time you come
Tracy R Edison

10 paid

5405

T. A. EDISON. 3 1155

Menlo Park, N. J., Oct 9 1878

10/9 T. A. Edison

Will you be at
home Friday or Saturday
Some friends are desirous
of visiting you and
I would like you to make
an appointment

J Oldham

24 DH

John H. Porter
Lawrence P. Lowrey
Geo. Wells Soren
Ellis Parvin Stone
George S. Hamilton

P.O. Box 1836

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street, (DREXEL BUILDING.)
Newark & New York, Oct 10th 1878

My Dear Edison:

Mr Banker has been ill for two days this week and Mr Trombly's occupation and my own engagements have prevented us from coming together. But I have fixed Saturday as a day for us to organize a company and lay in the first $30000 subscription. If I send you on that day I will telegraph you. If you need money send over a messenger, first telegraphing the amount which you will require.

Mr Carr and Mr Dykes called on me a few days since. Told them I thought we were not yet ready to entertain propositions for the foreign patents. That it was your design to perfect the light with all the appurtenances here and when that was done you would be ready to name a price for foreign countries. They seemed entirely satisfied with this, especially as I assured them that they should have fair notice when

we were ready and an opportunity to compete with others.

I should like to have a word from you from time to time letting me know how your progress.

Are the foreign patents applied for? Does Mr Jewett look after all these things for you.

Our friends Banker, Edson and Thomas by appear quite content with their respective interests. I think nature has formed Mr Trombly to want a little more always, but with this not uncommon defect I am disposed to like him and find good in him.

With the English patents I think we can get money enough not only to keep up power but to enable you at once if you desire to build and finally endow a working laboratory such as the world needs and has never seen. I should like immensely to see your name given to a place of that sort, which if well conducted as nearly as possible on self supporting principles would give a fair opportunity for indigent but in-

ynious men to have their ideas exhibited or exploded as the case might be. Do not you think that might be made a very useful institution. I presume it would be very difficult to manage so as to suit every body and perhaps the notion is only Quixotical

Very truly yours

A. P. Forney

Thomas A Edison Esq
Menlo Park
N.J.

John H. Porter
Lawrence P. Lowrey
Geo. Hall Soren
Chas. Thomas Stone
George S. Hamlin

P.O. Box 1836

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street (DREXEL BUILDING.)
New York, Oct 12th 1878

My dear Edison

Please be at my office at 2 o'clock on Monday — at that I expect to be ready to place $30,000 at your service for developing the light. At that time I will have the contract — which I propose ready — I have drawn it hastily & enclose you a copy to be examined by you before we meet — I think on the whole you should see me & bring back the paper at twelve o'clock, and I can then have it re-written before 2 o'clock at which time I will fix a meeting to organize the Company and complete everything — If I get in very late this afternoon & found Mr Griffin just going — he assures me that you do not need the $1240, for bills this afternoon & that Monday will do — If you need it I would, although it is three o'clock, send out & get the greenbacks — I could give

John K. Porter
Dorsey W. Lowry
Dr. Yates Stirling
Ch. Francis Stone
George S. Hamilton.

2

P.O. Box 1836.

Porter, Lowry, Stirling & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street, (DREXEL BUILDING.)
New York, _____ 187

you a check but that would do you no good so late

Another bid for the foreign patent has just come to me from the largest Banking House here – I told them that the largest pole would knock the persimmon, & I explained to them that they must compete with Carr, Dopew and all others fairly.

The right way is to perfect the thing here and then – we shall see – I don't dare tell you how much I propose to ask down besides retaining royalties, interest &c

W. P. Lowry

CERTIFICATE OF INCORPORATION

OF

THE EDISON ELECTRIC LIGHT COMPANY

State of New York
City & County of New York } ss.

We, Tracy R. Edson, James H. Banker, Norvin Green, Robert L. Cutting, Jr., Grosvernor P. LOwrey, Robert M. Gallaway, Egisto P. Fabbri, George R. Kent, George J. Soren, Charles F. Stone, all of the City of New York in the County and State of New York, and Nathan G. Miller, of Bridgeport in the State of Connecticut, and Thomas A. Edison of Menlo Park in the State of New Jersey, and George S. Hamlin of Rutherford Park in the State of New Jersey, being desirous of forming a corporation pursuant to, and in conformity with the Act of the Legislature of the State of New York, passed February 17th, 1848, entitled "An Act to authorize the formation of Corporations for manufacturing, mining, mechanical or chemical purposes", and the various Acts of said Legislature additional thereto, or amendatory thereof, have associated ourselves together for the purposes aforesaid, and in pursuance of the requirements of said Acts, do make, sign and acknowledge this certificate, and do hereby certify as follows:

First:

The corporate name of said Company is "The Edison Electric Light Company".

Second:

The objects for which the said Company is formed are to own, manufacture, operate and license the use of various apparatus used in producing light, heat or power by electricity.

Third:

The amount of the capital stock of the said Company is Three Hundred Thousand Dollars.

Fourth.

The number of shares of which the said capital stock of the Company shall consist is Three Thousand.

Fifth.

The term of the existence of said Company is Fifty years from the fifteenth day of October, One Thousand Eight Hundred and Seventy Eight.

Sixth.

The number of the Trustees of said Company shall be thirteen, and the names of those who shall manage the concerns of the Company for the first year are--

Tracy R. Edson	Grosvenor P. Lowrey	George W. Soren
James H. Banker	Robert M. Gallaway	Charles F. Stone
Norvin Green	Egisto. P. Fabbri	Nathan G. Miller
Robert L. Cutting Jr.,	George R. Kent	Thomas A. Edison
	George S. Hamlin.	

Seventh.

The names of the City and County in which the operations of said Company shall be carried on are the City of New York and County of New York in the State of New York.

IN WITNESS WHEREOF, we have hereunto set our hands this sixteenth day of October, one thousand eight hundred and seventy eight.

Thomas A. Edison	Egisto P. Fabbri
Tracy R. Edson	Grosvenor P. Lowrey
James H. Banker	Nathan G. Miller
Norvin Green	Robert M. Gallway
Robert L. Cutting Jr.	George W. Soren

George R. Kent George S. Hamlin

Charles F. Stone

State of New York. :
: SS;
City and County of New York. :

On this sixteenth day of October, one thousand eight hundred and seventy eight, before me personally came, Tracy R. Edson, James H. Banker, Norvin Green, Robert L. Cutting Jr., Grosvenor P. Lowrey, Robert M. Gallaway, Egisto P. Fabbri, Nathan G. Miller, George R. Kent, George W. Soren, Charles F. Stone, Thomas A. Edison and George S. Hamlin, to me known to be the individuals described in , and who executed the foregoing Certificate, and they severally before me signed the said Certificate and acknowledged that they executed the same.

Charles Roth , (67)

Notary Public

N.Y. County.

George R. Kent George S. Hamlin

Charles F. Stone

State of New York. :
: SS;
City and County of New York. :

On this sixteenth day of October, one thousand eight hundred and seventy eight, before me personally came, Tracy R. Edson, James H. Banker, Norvin Green, Robert L. Cutting Jr., Grosvenor P. Lowrey, Robert M. Gallaway, Egisto P. Fabbri, Nathan G. Miller, George R. Kent, George W. Soren, Charles F. Stone, Thomas A. Edison and George S. Hamlin, to me known to be the individuals described in , and who executed the foregoing Certificate, and they severally before me signed the said

STATE OF NEW YORK, } ss.
City and County of New York, }

I, JAMES A. FLACK, Clerk of the said City and County, and Clerk of the Supreme Court of said State for said County, Do Certify, That I have compared the preceding with the original Certificate of Incorporation of

The Edison Electric Light Company

on file in my office, and that the same is a correct transcript therefrom, and of the whole of such original.

Endorsed Filed. 16 October 1878

In Witness Whereof, I have hereunto subscribed my name and affixed my official seal, this 26 day January 1884

James A. Flack
Clerk.

T. A. EDISON. 2 1109

Menlo Park, N. J., Oct 16 1878

My 16 T A Edison

Will you be in town today

G P Lowrey

GWH Dec

T. A. EDISON. 1

Menlo Park, N. J., [illegible] 18[illegible]

G. P. Lowrey [illegible]

Mr Edison wished [illegible] all night just was [illegible] to be will not be in New York today

J. L. [illegible]

11th [illegible]

T. A. EDISON. 1 11 Wm

Menlo Park, N. J. Oct 18 1876

N. Y. 18 Thos A Edison

Just received your note
Telegraph when you
will be in again and
what time you will
be at this office
want to see you

H M Pt Twombly

Tp & Will be in Monday
+ call on you Σ

12m
& Tp

T. A. EDISON. 2 1004

Menlo Park, N. J. Oct 19 1876

NY 19 T A Edison
Ms

Meeting of directors
at NY office at
two o'clock today
Come over

G P Lowrey

12 15 P
Dr G

T. A. EDISON. 3

Menlo Park, N. J., Oct 19 1878

G. P. Lowrey 3 Broad St NY

Mr Edison is quite sick
And cannot come in today.

S. L. Griffin

10 DH Ameto DH

11 30 pm

John K. Porter,
Grosvenor P. Lowrey,
Geo. Walls Soren,
Chas. Francis Stone,
George F. Hamlin.

P.O. Box 1836.

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street, (DREXEL BUILDING)
New York, October 23d 1878

My dear Edison

There is an important meeting of the Board of Directors to-morrow and you ought to attend – The agreement will be ready to sign

I think too for various reasons that we ought now, before the thing gets large to have a talk with Drexel Morgan & Co in respect to matters on the other side; & for this purpose I wish you would bring in any papers or correspondence with Gouraud, or Puskas which may enable me to judge more accurately of what is due to them

Much reflection confirms me in the belief that the Electric light, if it is, or is to be what we suppose, requires to be represented by sober business men of the highest commercial standing; and they must make just provision for any claims other persons

John K. Porter
Grosvenor P. Lowrey
Geo. Welles Seton
Chs. Parsons Stone
George S. Hamilton

Porter, Lowrey, Seton & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street (DREXEL BUILDING.)
New York, 187

(P.O.Box 1836.)

2

or undefined – legal or moral evil which Mr Pulsos or others may assert – The dignity & importance of the invention to the world, demand that it shall be introduced by men possessing a comparative strength & power in the financial world –

But these men too are to be dealt with carefully; & if you could stay down to-morrow evening I also would stay in town & we would have a clear talk with Mr Fabbri

The applications come pouring in – I have to-day an urgent application from Wheeler & Wilson to put the thing at once in their great factory at Bridgeport. –

How would this suit you for an experiment. It is eleven hundred feet long, & has no light at present because of the risk from fire

W. E. Lowry

T. A. EDISON. 4 144

Menlo Park, N. J., Oct 24 1878

New York 24
Thomas A Edison manager mx

Is Mr Edison in New York today
If not do you expect him to
Come to New York and what time
G. P. Lowrey
3 Broad St
NY

2-3 pm
WR

T. A. EDISON. 3

Menlo Park, N. J., Oct 24 1878

G P Lowrey 3 Broad st NY

Mr Edison is in hands of
physician & confined to his
bed. Impossible to say when
he will be in New York
S. L. Griffin

21 Collect

1.45 pm
G. WR.

T. A. EDISON. 5 5/6

Menlo Park, N. J., Oct 24 1878

Nly 24
Mr Griffin
Care Thos A Edison
Mo

Very sorry to hear of Mr Edisons sickness present him my respects and compliments and let me know tomorrow morning by Telegraph whether he would be well enough to see me if I come out tomorrow

G. P. Lowrey

36 NA
J.S.G

T. A. EDISON. 6

Menlo Park, N. J. Oct 24 1878

G. P. Lowrey Yonkers NY

I am too ill to do business or see anyone Mr Griffin will call on you about noon tomorrow

T. A. Edison

20 NA

7 25 pm
G. G.

John W. Porter
Lawrence Lowrey
Geo. Welles Seren
Chas. Francis Stone
George K. Hamilton

(P.O.Box 1836.)

Porter, Lowrey, Seren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad St. Rooms (DREXEL BUILDING.)

New York, Oct 30th 1878

My Dear Edison:

I enclose a letter which has been written by my suggestion. Dr. Tinker seems a very intelligent, gentlemanly man who says what he wishes to say is yourself rather than the light. He has been waiting here for a week, and I think it would be well to effect an interview with them for Saturday. You can fix the time and let them know at the Astor House about the trains so that they will take but little of your time, probably.

I am going to have Johnson get along all the lawyer, and the lawyer man intends tomorrow. The man, who sample has contributed the mechanical flaw is a very highly respectable person and of good social standing, whom I am sure would not ordinarily engage in anything in the nature of a swindle.

The lawyer seemed a good talking man, and they both said that the flu-

2

lication among the things you had an electric light with the claims stated in the "Scientific American" for them was like a thunder clap to them — so much so they consider everything which has been described as being used or being also covered by their patents.

I asked their attorney's name but lawyer declined to give it; he said he was not Dickerson. We have already retained Dickerson some days ago.

I am going to start a journal of all the foreign business so that whoever goes abroad shall have a complete history of it. I have therefore asked Mr Goddard, the secretary of the domestic company to go over our Friday and make copies of anything in your letter books or on your files relating to foreign matters.

Very truly

Geo. L. Lowrey

T. A. Edison Esq
Menlo Park
N.J.

John H. Porter,
Benjamin P. Lowrey,
Geo. Wales Stone,
Chs. Francis Stone,
George S. Hamlin.

P.O. Box 1836.

Porter, Lowrey, Seven & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street, (DREXEL BUILDING.)

New York, Oct 30th 1878

Dear Sir,

Mr Lowrey directs me to send you a few hurried notes of a conversation had with Mr Sawyer this morning

Yours Very Resp

E. M. Griffith

T. A. Edison Esq

[ENCLOSURE]

Notes of a conversation with Sawyer Man Electric Light

Sawyer Man Electric Light

They claim to have patents for

I Utilizing the carbon point without consuming it

II Regulating the amount of light from tape up for dividing the amount of electricity

III For passing the current by certain lights so that the resistance offered by one light will not materially affect the others in the circuit

Mr Sawyer had made, more than a year ago, a burner in which he made use of platinum wire to produce the light, a shunt by means of a magnet, which with the increase in the current of electricity closed allowing the overplus to pass off, thus preventing the fusing of the metal.

[ENCLOSURE]

They claim to have patents covering all these things, and all means by which the amount of light can be regulated, by which platinum wire can be utilized, by which an over flow can be had of the over plus electricity.

They (or Sawyer) had seen a lamp in which the lowering of the platinum wire by expansion was made to work as a means of regulating the amount of electricity

Mr Sawyer claims partly by patented devices, and partly by secrets (which he will patent, if anybody finds them out) to have discovered a means of making carbon incandescent without consuming it. He claims that he has tried and abandoned all efforts to get light from the incandescence of metals because he found it ~~to~~ is much more economical of power to make carbon incandescent

THE EDISON ELECTRIC LIGHT CO.,

3 BROAD STREET,

New York, Oct 31st 1878

Thos A Edison Esq,

Dear Sir:

An adjourned meeting of the *Board of Directors of* The Edison Electric Light Company, *will be held on* this day *at* 2 P. M., *at the office of the Company.*

Very respectfully,

C Gouraud

Secretary.

T. A. EDISON. 1

Menlo Park, N. J. Oct 31 1885

G. P. Lowrey Esq
5 Broad
My

I will call
on you about
11 Oclock
Griffin

Thinks 25
9 am
9 ma

Edw. H. Porter,
Grosvenor P. Lowrey,
Geo. Hodges Soren,
Ellis Francis Stone,
George S. Hamilton.

P.O. Box 1836.

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 5 Broad St. (DREXEL BUILDING.)
New York, Oct. 31st 1878

My Dear Edison.

I am glad to hear from Mr Griffin that you are up again & hope however you will be prudent.

I am obliged to go to Washington to night to argue a case in the Supreme Court, but expect to be back in the early part of the week. In the meantime the Board of Directors would like to visit Menlo Park some day next week. Please write to Mr Soren and let him know if you can manage to set up a few lights so that they can be exhibited, say by Friday of next week.

I think you had better send me Gerrett Smith's letter.

I was glad to receive your note of to-day in which you say that Sawyers patents do not touch yours. Of course we are not to expect to escape without some trouble; but at the same time a competition who hold

-ly claims even that which is false, is able to produce a good deal of effect when the monied value of any business or invention. We therefore should be prepared for Mr Sawyer

Yours truly
U. P. Tomy

P.S.
The Board of Directors authorized to-day the employment of Mr Dickerson, as counsel, with authority to employ such experts as he may elect, to examine the state of the art &c &c. What would you say to Prof. ~~Barnard~~ Farmer? Did you ever hear that he lighted his house at Newfoundland for one Winter with electricity, which was arranged in small burners along the walls like an ordinary gas-light, and was turned on and off by a thumb piece? –

T. A. Edison Esq
Menlo Park
N.J.

T. A. EDISON.

4 5 11 AM

Menlo Park, N. J., Nov 1 1878

Washington DC 1

T A Edison Mlo

I shall be at my office tomorrow

G P Lowrey

7 AM

mdy

T. A. EDISON.

2 2 30 pm

Menlo Park, N. J., Nov 2d 1878

N.Y. 2

T A Edison Mlo

Mr Lowrey & Mr Sorem are coming over on the 3 oclock train Are you prepared to show the Electric light If possible I will accompany them Answer

J O Green

28 DK

John K. Porter.
Francis P. Lowrey.
Geo. Wells Seven.
Ch. Barnes Stone.
George S. Hamlin.

P.O. Box 1836.

Porter, Lowrey, Seven & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street (DREXEL BUILDING.)
New York, Aug. 2nd 1878

My dear Edison:

I am just now very much occupied in the matter of a case in Washington which will take me on again tomorrow, and therefore have not much to write you. I only want to say one thing to you emphatically. Do not give yourself the slightest uneasiness from anything you hear from me or anybody else, about other people's efforts, or inventions concerning electric light. My confidence in you as an infallible, certain man of science is absolutely complete: and whatever it may be necessary to say in talking with business men, who of course are liable to be misled, but who on the whole generally come right and do not make mistakes, you may be sure that the party which has been made up has put in their money in absolute confidence in you and nobody else. Very truly

F. P. Lowrey

THE EDISON ELECTRIC LIGHT CO.,

3 BROAD STREET,

New York, Nov 6th *187* 8.

Thos A Edison Esq

Dear Sir:

An adjourned *meeting of the Board of Directors of* The Edison Electric Light Company, *will be held on* Thursday *the* 7th *inst.* *at* 2½ *P.M., at the office of the Company.*

Very respectfully,

C. Jeddard

Secretary.

John H. Porter
Francis P. Lowrey
Geo. Yulee Stone
Eli Francis Stone
George S. Hamilton

P.O. Box 1836.

Porter, Lowrey, Seven & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad St. (DREXEL BUILDING.)
New York, Nov 6th 1878

Dear Sir:

Mr Lowrey directs me to enclose the within #letter to you and say that he would like to see the packet of cuttings.

Mr Lowrey has just received a letter a copy of which is enclosed.

He is not aware of any intended publication which can be stopped: but perhaps it would be well, he says, for you to communicate to your friends the reporters a wish that they should say nothing more about your light whatever.

Very truly
R Lenk

T A Edison Esq
Menlo Park
N.J.

#Refer to my letter from Lawrence Keely to Louis Fitzgerald begging for packet of papers on file
N.Y. and was redirected 11/7/78

[ENCLOSURE]

Nov 6th 1878

H. P. Downey Esq.
Dear Sir:

My agent in London telegraphs to stop publications relative to Edison's Electric light, till application stage is passed, that is to say for three weeks. This precaution he thinks important to prevent complication on difficulty from knowledge of the invention coming abroad. It will be well to bear this in mind and suppress any published description of what the invention is

Yours truly
Samuel W Sewell

(Copy) (H)

John H. Porter
Grasvenor P. Lowrey
Geo. Yerkes Soren
Chas. Francis Stone
George S. Hamlin

P.O. Box 1836.

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street, (DREXEL BUILDING.)
New York, Nov 7th 1878

My dear Edison:

I got up about 12 o'clock and came down to see Griffin, but he had in the mean time gone to my house and so we missed each other.

I judge from the correspondence with Mr Sewall, that you have discovered something new and valuable for the lamp.

I have written to-day to Col. Gouraud because in his letter to you of Oct 26th he speaks as if he had communicated with me. He has not done so except by two "cables" in relation to Cuba.

The Board met to-day and four or five of the members want to go out to Menlo Park by the 4 o'clock train on Tuesday and wished me to inform you. There is great opposition by Edson and Banker to letting young Butler go from the Gold & Stock Co., but they said in the meeting to-day that he had not yet had his vacation but

if he wished to take that by going to Washington for you he could do so. No action was taken on the subject but it was left to you to send for him and set him to work for three weeks. You can do this at your laboratory or otherwise, and we will pay him leaving you to make the terms.

I enclose a proposed letter to be written by you, which will explain itself. It expresses your ideas if I correctly understood them.

Very truly

W. P. Bonney

T. A. Edison Esq
Menlo Park
N.J.

John H. Porter
Gressener A. Lowrey
Geo. Hyde Stone
Chas. Francis Stone
George S. Hamlin

P.O. Box 1836.

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad St. (DREXEL BUILDING.)

New York, Nov 9th 1878

Dear Sir:

Mr Lowrey directs me to send you the inclosed memorandum of receipts and expenditures by him, which he supposes will answer your purpose.

Yours Very Respy
E. W. Griffith

T. A. Edison Esq
Menlo Park
New Jersey

John K. Porter
Benj. W. Lowrey
Wm. Wales Stone
Chas. Francis Stone
George T. Hamilton

P.O. Box 1836

Porter, Lowrey, Seven & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad St. (DREXEL BUILDING)
New York, Nov 11th 1878

T. A. Edison Esq

Dear Sir:

Mr Lowrey having caused copies of the enclosed documents to be made directs me to enclose them to you

Very truly
R. Kirk

T. A. EDISON. 4 12 40

Menlo Park, N. J., Nov 12 1878

N.Y. 12 T. A. Edison Esq - Mo

Send back agreement mailed to you last night & find blank left unfilled by mistake

G P Lowrey

15 EH mn 4

T. A. EDISON. 3

Menlo Park, N. J., Nov 12 1878

H R Butter
Gold & Stock Tel Co
NY

Please say to Mr Upton I would like to see him

Edison

11 WH

4 40 pm
G M A

T. A. EDISON. 5

Menlo Park, N. J., Nov 12 1878

Mrs J. P. Lowrey
4 W 15th St NY

Mr Lowrey will not
be home until aftr
ten O'clock

T. A. Edison

10 PM
6.20 P.m.
E.T.Y.

THE EDISON ELECTRIC LIGHT CO.,
3 BROAD STREET,

New York Nov 13 1878

Mr T. A. Edison

Dear Sir:

An adjourned meeting of the Board of Directors of The Edison Electric Light Company, will be held on Thursday the 14th inst. at 7½ P. M., at the office of the Company.

Very respectfully,

C. Jouaust
Secretary.

T. A. EDISON. 1 0115

Menlo Park, N. J., Nov 13 1879

NY 13th
T. A. Edison
Mr Upton will be at your laboratory this P.M.
Howard R Butler
Asst Sec'y

DH
MaG

T. A. EDISON. 3 1140

Menlo Park, N. J., Nov 14 1879

NY 14
T A Edison

Are you coming to New York today
Chas. P. Townsend

b.h.H.

MaG

T. A. EDISON. 3

Menlo Park, N. J., Nov 14 1878

G. P. Lowrey / NY

No cannot get away

9 A.E.

4 P.M.

1181
mag

THE EDISON ELECTRIC LIGHT CO.,

3 BROAD STREET.

New York, Nov 15 1878

T A Edison

Dear Sir:

An adjourned meeting of the *Board of Directors of* The Edison Electric Light Company, *will be held* ~~on~~ this day *at* 2½ *P. M., at the office of the Company.*

Very respectfully,

C Gouraud

Secretary.

THE EDISON ELECTRIC LIGHT CO.,
2 BROAD STREET.

NORVIN GREEN, Pres.
H. M. GARLAND, V. Pres.
E. P. FARLEY, Treas.
C. GODDARD, Secy.

New York, Novem 19th 1878

My dear Mr Edison

Mr Tracy R Edson requests me to say that he and Mr Banker together with two or three others of the Executive Committee intend visiting you on Friday next, going down by the 11 a.m. train.

Very truly yours

C. Goddard Secy

Thos A Edison Esq

2

Nov 19 78
12.22 P.M.

T A Edison Esq

We want to get papers executed by you this afternoon. Shall we come to Menlo Park or would you prefer to come to our office. Telegraph us immediately and if you are coming come at once

Porter Lowrey
Sorin & Stone

35 Paid Menlo

Nov 19. 78

Mr Porter

Porter Journey Journey [illegible]
3 Pinnacle Pl. N.Y.
sent by messenger

~~three~~ o'clock I can't
go to N.Y.

T A Edison

N.B.

12 27 9 ma

115 East 14 Street New York
Nov. 22 1878

Mr. T. A. Edison,
Dear Sir!

The note in the "Sun" of yesterday made quite a breeze. Today from all indications, the reporter made it out of whole cloth, as there seems no ground for the statements there made. The King patent was for a strip of Pt. or C. in glass case. No regulator is mentioned, and it is expressly stated that unless great care is taken in forming the platinum strip it will melt. The current is adjusted by change of battery or added resistance.

The Allman patent has more show. His apparatus probably would never work, but he wrote his claim so as to cover much more. He says:

"In this sheet I have shewn how "the calorific effect of electricity may "be employed, in an apparatus for "the production of light from electricity. "The same effect may be produced by "a variety of other similar contrivances, "in which the calorific or heating effects "of the current may be rendered available "for separating the electrodes and main-"taining them at a proper distance from "each other. And I claim as my Inven-"tion and the exclusive use of an appara-"tus whereby the heating effects of E— "may be employed and rendered available "in and for the production of light from "electricity." His apparatus uses only the ~~cool~~ heating from a bad contact and the differential effect. Besides both are applied directly to move the carbons.

To show what was thought of the invention at the time it was patented I will quote from a "The Mechanics Journal" for the same year. After

a summary of the part of the patent referring to a magnet regulator, the writer ~~again~~ mentions that the patentee forgot to roll the plates of this part of the patent with the others, thus making his description "Confusion worse confounded".

The London Journal says: "The patentee "remarks that by various other, than those which were illustrated," analogous arrangements, the "calorific effect of a current may be rendered available for separating the electrodes "and maintaining them at a proper distance from each other. He claims "the use of apparatus whereby the heating "effects of C— may be employed and "rendered available for the production of "light from electricity."

I have found no other mention at all until today. I employed one of the Librarians to look through the unindexed English patents and give me the numbers of those bearing on the electrical light. This accounts for the delay in finding what I will now transcribe. Under date of Nov. 28, 1878. with the No. 2099 a patent was granted to A. M. Clark of 53 Chancery Lane London & 21 Paris.

"This invention relates to improved "means of controlling the mechanism for "regulating or maintaining at a uniform "distance apart the carbon points of an "electric light. Such regulators may be "roughly classed as being so constructed that "the carbon points are moved towards "one another either automatically or by "clock work. A special apparatus "operated by the current is sometimes applied "either to arrest the mechanism by "which the carbons are fed up, or to

"part or distance the carbons, and
"to effect this stoppage or separation
"as the case may be, electro-magnets
"are often employed, which, on the
"passage of the current operate to
"produce this result."

"This invention consists first in
"the employment (in lieu of electro-magnets)
"of a simple wire (or its equivalent) which
"by the passage of the current becomes heated
"and consequently expanded or extended
"in length; this alteration in the length
"of the wire, or its equivalent, being applied
"to control the action of the various kinds
"of mechanism used for regulating the
"electric light. The wire should be
"of such a guage that by the passage
"of the current it may be heated to, say
"400° cent (752° Fahr.) ~~and~~ as a maximum.

"If by heating heating a proper length
"of wire ~~as~~ a sufficient degree of
"extension is ~~almost~~ attained, it will
"be readily understood how by connect-

"ing the wire ~~with~~ to a lever or other "organ capable of being oscillated by the "tension of an spring, the extension of "the wire may be made either to cause "the arrest of the mechanism by which "the carbons are ~~held~~ brought together, or to set "or distance the carbons according to "the kind of regulation employed. It "will be obvious that a strip of metal "of any form may be substituted for "the wire provided that it will obtain "a sufficiently high temperature and a meas-"urable degree of expansion.

"In order to understand how the "extension of a wire is capable of pro-"ducing the necessary movements for con-"trolling the regulating mechanism of the "carbons, suppose a silver wire 20 centi-"metres in length be used. Under the action "of a current from the source of E — "of sufficient tower, the wire becomes "heated to a temperature of, say 300° Cent., "and is lengthened to the extent of say

"two millimetres. This wire if placed
"in an electric light regulator, would
"be quite adequate to produce the move-
"ments necessary for the proper working
"of the regulator, especially as in proportion
"as the luminous arc lengthens, the inten-
"sity of the current passing through the
"battery decreases. Therefore when the
"arc has increased in length the wire
"may be 150° to 200° only which would
"cause a contraction of 10 to 14/10 of
"a millimetres. Such a variation in the
"length of wire is sufficient to ensure
"the proper working of all electric
"light regulators, whatever may be
"their arrangement, it being under-
"stood that the wire should be of
"such a length as will ensure
"the necessary amount of motion.
" The invention thus consists first
" in the use of a wire which
" is heated and dilated and varied
" in length by the passage of the

"current for the purpose of
"regulating electric light appara-
"tus generally"

There is no drawing showing how this is done. There is however an account and drawing of method of placing in resistances. I have had no time to copy this as I only found the patent in question until ~~after~~ late this afternoon.

At the end the following claims are made.

"1st The use of a wire, a strip or
"its equivalent traversed by the
"current and dilated or contracted
"according to the greater or less
"intensity of the current, the variation
"in its length thereby produced being
"applied to effect directly or indirectly
"the separation or approximation of
"the carbons substantially as specified."
"2nd The used of a metallic wire
"or strip for putting the carbons.

"in combination with the resistance
"solenoid ~~of~~ or electro-magnet ex-
"cited by the current.
"6th The interposition in a derivation
"of the current of a strip, wire
"or uni-metallic or multi metallic
"organ wh. by its dilatation or ex-
"tension under the influence of the
"current brings into action a com-
"mutator that electrically isolates the
"regulator from the rest, under the
"circumstances referred to.
"7' The interposition in the derivation
"of the current of a strip, wire or
"uni-metallic or ~~multimetallic~~ multi-
"metallic which dilatation or exten-
"sion under the influence ~~within the~~
"of the current brings into action
"a commutator that electrically iso-
"lates the regulator for the rest, under
"the circumstances set forth in the
"preceding."

I have copied this thus fully as there are no drawings of consequence.

If you will telegraph me, that you will be at home and have the time to spare I will go to Menlo Park tomorrow afternoon at three.

I want you to explain me your camp and tell me exactly what you claim.

There are only four more English patents and a few American ones for me to examine, and then I shall commence with the scientific journals.

I feel sure that the total you have is new, no matter if parts have been before used. This is all I have found.

I am Yours most truly
Francis R. Upton.

John K. Porter
Benjamin P. Lowrey
Geo. Yerks Stone
Chs. Frances Stone
George S. Hamilton

P.O. Box 1836.

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street, (DREXEL BUILDING.)
New York, Nov 23d 1878

Dear Sir:

Mr Lowrey would like to have you remind Mr Edison of the conversation that was had in regard to the South American mono people and says he thinks it advisable to favor them as much as possible

Very truly
A Kent

S.L. Griffin Esq
Menlo Park
N.J.

John W. Porter
Grosvenor P. Lowrey
Geo. Welles Soren
Chas. Francis Stone
George S. Hamlin

P.O. Box 1836.

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street, (DREXEL BUILDING.)
New York, Nov 25th 1878

My dear Edison:

I return the letter of Gen. Stone. It merits an answer in your own handwriting. Besides I think that your letter and signature would be something very interesting to him and those with whom he is associated. I have no doubt it would pass from hand to hand and reach its place of final deposit in the archives of the Khedive.

In making your answer I suggest that you say to him that you desire to secure the exclusive privilege to use in the dominions of the Khedive all your various inventions and that it would be gratifying to you to ~~add to~~ have some share in the progress which that interesting country is making under the government of the present illustrious Khedive. In return for this compliment you may get a concession which would be both honorable and profitable to you.

The visit of last Friday by Mr Banka

and others of the Executive Committee had a most excellent effect. They are now all full of courage and confidence. I have invited Mr Morgan & Mr Pabbri to accompany me some day this week or next. They will be very intelligent observers and it will be useful to them, in correspondence with foreign countries, to have seen what they are talking about in advance of your perfecting it. This all the better that they should see the rubbish & rejected devices of one sort and another. Their appreciation thereby becomes more intelligent.

Very truly yours,

W. P. Tomy

T. A. Edison Esq
Menlo Park
N. J.

[ENCLOSURE]

Cairo, Egypt
Nov. 3rd 1878

Mr. Edison,
New York

Dear Sir:

As American in a foreign & distant land, I have welcomed the announcements of your successive discoveries and inventions, with a strong feeling of pride in you as one of our countrymen who does great honour to our country.

In this ancient land, I have endeavoured to present and cause to be adopted, whatever of American inventions would tend to advance civilization

address Samuel Shaw,
Chief of Staff,
Cairo, Egypt.

[ENCLOSURE]

civilization here, without any personal interest, but simply with a desire to advance in Egypt the progress of enlightenment, so much desired by the Khedive.

You label invention announced here is that of having succeeded in dividing, practically, the electric light, and in thus rendering it economically applicable for the illumination of streets and buildings.

Should this really be true, would you kindly inform me: and would you also take the trouble to inform me to what extent it is practical and economical?

Is it possible, for instance, (economically practical) to light up, with the electric light a single building requiring say one hundred or two of jets?

Is it practical to apply it to a single dwelling by the establishment of a machine on the premises? What would be the probable cost for a given number of jets?

If not yet so far developed, what is the smallest number of jets which can be employed economically? and at what cost?

I would be thankful to you giving

N

[ENCLOSURE]

a prompt reply, and, should you desire to secure the exclusive right to apply your invention in this country (where there are no patent laws) I will gladly aid you in securing such right, without desiring any pecuniary interest in the matter — Whatever I could do in this matter would be from the desire to see your rights as an inventor protected —

My reward in the matter would be the feeling of satisfaction in having aided in promptly introducing a valuable invention to the country I am serving.

Very respectfully
(yr. ob. servt.)
[illegible]
Capt. Corps Engrs.
Egyptian Army.

John H. Porter
Grosvenor P. Lowrey
Geo. Welds Green
Chas. Barnes Stone
George S. Hamilton

P.O. Box 1836

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street, (DREXEL BUILDING.)
New York, Nov 26th 1878

My dear Griffin:

The agent of the North American Review came to see me by request of Dr Green upon whom he had called. He said they were thrown into a great deal of embarrassment by disappointment in an article which was to be written by a Mr Johnson but was to be published as Mr Edisons article. That Mr. Edisons objection to giving any time to the matter now was that the stockholders would object to any description of his light or to any time spent upon magazine articles at this time. I asked the subject of the article. He said it was to be "Illumination in Cities." I asked if it was intended to include any special description of electric lights. He did not know. Reflecting that it was desirable for the interests of Mr Edison rather than the Company to keep all these agencies of public opinion in their present well

disposed mood towards him, I then said I thought there could be no objection to an article apparently by Mr Edison which should in general terms speak of illumination, and Electric lights specially, but that he could not respect any, even the slightest, description of Mr Edisons methods. He said at once that that was all they wanted to keep their promise to the public by something germane to that subject, which should seem to come from Mr Edison.

Mr Upton was present and turning to him I asked whether his researches might not have given him a few interesting points in the history of electrical inventions which could be spread out thin and help to make a magazine article. He thought that might be easily done. The factotum then said that was all he wanted of Mr. Johnson (and I was unable to learn from him whether it was you found Johnson, although he said it was the same who wrote the article on the Phonograph) to work

up the facts, then were then to be revised by some subeditor and then the whole should be submitted to you & to me before publication.

He seemed greatly gratified at this chance of an article, although as I said to him it appeared to me it would be of little value with all the restrictions that would be put upon it. My advice therefore is that Mr Edison should read over any article submitted to him, strike out freely and qualify wherever this shall appear proper. Of course he would not allow anything to be said ~~beyond~~ except what any stranger could say from reading ~~any~~ the newspapers.

I shall go out by the 11 o'clock train tomorrow, I think, bringing Mr Downey and one of my boys.

Yours truly

W. P. Young

Sh. Griffin Esq
Menlo Park
N. J.

P.S. The Mrs (Montana) Gas Company, one owned by Wm Astor, will have gas in the field with a prospect, to be the pioneer in introducing your light. Hopkins seen Astor & impressed him favorably. (Mr A)

[illegible]

(P.S.)

A We have now got the new Spanish law and I have told Mr Navarro that I will let him have Porto Rico also and the patents will be taken out in your name so that you will have the control of them.

T. A. EDISON.

2

Menlo Park, N. J., Nov 29 1878

Mr Kent

Case Porter Lowrey Jewels
3 Broad St NY

Meet Mr Lowrey with Carriage at four fifty feet Cortlandt St

T. A. Edison

MPH
Wm Mg

1 11/79

T. P. Lowrey
Jhs

Nov 29 78

The two PM. trains from Phila will stop for you today

Drexel Morgan & Co

Mpaid
Nov 9

Nov 29 78

T. A. EDISON.

Menlo Park, N. J., Nov 29 1878

G P Lowrey 8 Broad St
NY

If you come to-day
bring him on the
Three p m train

Edison

11 N.

9 P 9 pm

T. A. EDISON.

1045

Menlo Park, N. J., Nov 29 1878

N/29

T. A. Edison
Mpl

Have arranged with Helmont to
meet you at my office Saturday
at half past four - Important.

G. P. Lowrey

16 paid
Dy 5

2 Nov 29.78
2.50 P.M.

N.Y. 29
T A Edison
ms

If you prefer not to come in tomorrow Mr Belmont will come and see you. Some day next week. Answer

G. P. Lowrey

21 DH
Bu G

2 Nov 29.78

G. P. Lowrey
3 Broad St N.Y.

That will be better and I will not come in

Edison

10 DH

3 PM
G. P. Bu.

John W. Porter
Lawrence R. Lowrey
Geo. Wales Stone
Chas. Francis Stone
George S. Hamilton

P.O. Box 1836.

Porter, Lowrey, Stone & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street, (DREXEL BUILDING.)

New York, Dec 2nd 1878

My dear Edison:

I understand Mr Belmont expects to go out on Wednesday if that will suit you but I will ascertain definitely to-day and let you know this afternoon.

Mr Fabbri informs me that Milton Latham, President of the London & San Francisco Bank, and an intimate friend of Drexel Morgan & Co., lands on their shores a short time since, the owner of the Gramme (& Jablochkoff) patents for the United States and with right on ten Gramme Machines and an expert person to set them up. He learned with "extreme" disgust of your light and decided not even to take the machines out of the Custom House until you should be further heard from.

He has left for California but I yesterday asked Mr Fabbri if he could not get you one of

of the machines for use at Menlo Park. If you desire it please let me know and I have no doubt it can be managed. In the meantime I am going to look up Mr Hagan who applied to me some time since and claimed then to have the power to dispose of the Gramme patent for this country.

Truly yours

W. P. Lowry

Thomas A Edison Esq
Menlo Park
N. J.

P.S.

Mr Drexel, with two or three friends from Philadelphia, and the parties from New York will visit you on Monday next.

Dec 22 '08

N.Y. 22

1044

Thomas A Edison
me

I shall not come
out today.

G. P. Lowry

GNH
maly

2 Mo 7d

Dec 2 .78
2 pm

Thos A Edison
Menlo

Will finding of this week suit you to see Mr Belmont and myself

G. P. Lowrey

13 DH/pms
mail

T. A. EDISON.

Menlo Park, N. J., Dec 2d 1878

G P Lowrey 3 Broad St NY

Yes

T. A. Edison

1 DH

2 21 pm
9 pm

T. A. EDISON.

Menlo Park, N. J., Dec 32 1875

V

NU 32 10 45 am.

Thomas A Edison mo

Are you coming to
New York today
G. P. Lowrey

6 SH
Nmg

T. A. EDISON.

Menlo Park, N. J., Dec 32 1878

V

G P Lowrey 3 B. 0.0 DX NU

No sir

T A Edison

2 DH
Cy Mn

T. A. EDISON.

/

Menlo Park, N. J., Dec 4 1878

10 1/2 am.

Mr H. A. Edison NY

Have placed two hundred and fifty dollars to your Credit with Drexel as return of British patent fees

G. P. Lowrey

18 paid
Maly

Joh. K. Porter,
George P. Lowrey,
Geo. Wm. Seven,
Chas. Frank Stone,
George S. Hamilton.

P.O. Box 1836.

Porter, Lowrey, Seven & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street, (DREXEL BUILDING.)
New York, Decr 5th 1878

My Dear Edison:

Mr Banker and myself have observed that you have only drawn about $1250 of the money which was set apart to repay your former disbursements, and I explained to the Executive Committee this afternoon that, considering the difficulty there is in keeping your accounts, it is not unlikely that you are unable now to trace the $3000 which we understood had been disbursed and that that was perhaps the reason why you did not draw it. It was generally agreed that whether that was so or not you are entitled to draw that amount; and since the Company observed that you are devoting your time exclusively now to the light and thus cutting yourself off from sources of income which might be otherwise open to you, they wish to add to your weekly bill $75, just the same as if they were paying you a salary to that amount.

This was agreed upon as a convenient way of putting you in funds for personal uses while still leaving the fund in hand and ready for use in experimenting if required, which I understood was your particular desire.

Truly Yours G. P. Lowrey

T. A. EDISON.

1150

Menlo Park, N. J., Dec 5 1879

3

NY 5

T. A. Edison Mo.

Remember my visit tomorrow Mr Navarro and I will come down at Eleven and Mr B will arrive about three

G. P. Lowrey

20 Dt
Maly

T. A. EDISON.

11 55 am

Telegram

1

Menlo Park, N. J., Dec 6 1879

N.Y. 6th

T A Edison Mo

Navarro and Mora go by Eleven oclock train. I am detained by a Western Union Case. Expect to come by two or three oclock train with Belmont. I should frankly explain to visitors that you are not in condition to show much but will let them see what you have at present and they must make allowances and await better exhibition when you get chemicals from England and better facilities. D. M & Co have ninety five hundred dollars for you will bring papers

G. P. Lowrey

84 paid
Maly

2 N.Y. 6.78 Dec 6.78
11 AM.
T.A. Edison Ms

Neither Navarro or Mora will be able to come to day -

G. P. Lowrey

10 DH mcly

3 N.Y. 6th Dec 6.78
12 40

T.A. Edison Ms

Mr Belmont and I will come by ~~three o'clock train~~

Lowrey

10 DH mcly

THE EDISON ELECTRIC LIGHT CO.,
3 BROAD STREET.

NORVIN GREEN, Pres.
R. M. GALLAWAY, V. Pres.
E. P. FABBRI, Treas.
C. GODFREY, Sec'y

New York, December 6th 1878

S. L. Griffen Esq
Dear Sir:

The missing acct turned up today among Mr Fabbri's vouchers - I enclose copy -

I find no vouchers or statements respecting the following amts charged as paid

	Through Mr Lowry	$1.295.
Oct 25	Draft favor Mr Griffen	845.
29	Bill E. P. Hampson	1.600.
		$3.740

It is not important, but if you can conveniently send me statements to cover these it would be well to have them on file to complete the record. I enclose a letter

which I opened but think
Edison is the man who
is entitled to the benefit
of the suggestion & therefore
enclose it

Yours truly
C. Gomund

Mr. Geo. M.
Cleveland
Washe 9 15

John K. Porter
Grosvenor P. Lowrey
Geo. Welles Loven
Chas. James Stone
George S. Hamilton

P.O. Box 1836

Porter, Lowrey, Loven & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street, (DREXEL BUILDING.)
New York, Dec. 6th, 187 8

My dear Fabbri:

Edison has been in daily expectation of the wire and chemicals which were ordered in London through you more than a month ago, and when you mentioned last night that Mr. Drexel intended to bring with him a gas expert, I thought at once it was doubtful whether he could be prepared to exhibit a light on Monday such as ought to be shown for the first time to critical persons.

I think it very desirable that Mr. Drexel, Mr. Morgan and yourself should see the thing in its present state, not because you can now see what Mr. Edison, as I understand him expects his light to be when he has suitable power from his new engine and the various essential requisites included in the London order for chemicals. But you will more rightly appreciate what he is doing, by seeing the light in what I may call its formative state, until the new building is done and the new engine is running and he has all the facilities which he says the matter requires, it would not be fair to him nor to any expert to visit him. But I repeat, I think the members of your firm ought to go now.

I am on my way to Menlo Park to-day and will let you know tomorrow what Mr. Edison says about this communication.

Very truly,

E. P. Fabbri, Esq.
3 Broad St.,
City.

NY Dec 6 '78
Lowrey's letter to Tabbi

New York. Dec. 9. 1878

Mr. Bachelor!
Dear Sir!

If present prospects as to work are fulfilled I shall be ready to go and make my home with you. I have a list of references to books not in the Astor Library. If Mr. Edison wishes I should be happy to go to Boston to search for them, I do not think they are references of vital importance, yet they would make my search more complete. The Berlin summary of Progress in Physics ~~since~~ since 1857 is one, and an index to Poggendorff's Annalen is another.

Will you be so kind as to ask him for me and also to tell me what arrangement I can make

for finding a place to lay my head, and a table to allay my appetite.

I am still in doubt as to the question we were discussing, and am growing weak-kneed in the support of my side.

Yours sincerely Truly

Francis R. Upton.

Edison dont want you to go to Rotor at present so you can come up ~~at present~~ as soon as born

115 East 14 Street
New York Dec. 9. 1876.

Mr. Bachelor
Dear Sir:

The address at the top of this I forgot this morning and I fear you may not know where to answer that letter.

Yours Truly
Francis L. Upton.

Dec 12. 78
12 12 PM

NY 12 Thomas a Edison Menlo

I will pay you a visit tomorrow with Mr Edson If you are at home Telegph me care R L Cutting 19 William St

James H Banker

AT maly

Dec 12 78

James H Banker
19 Wm St NY

Sorry but I have an engagement in N.Y. tomorrow

T A Edison

G.57
Menlo 12 12 PM

A. L. Griffenberg NY Dec 14 78.

Dear Sir: Will you please ask Mr Edison his views as to a proper compensation to be given to Mr. Upton for the service referred to in Mr Upton's letter herewith

Yours truly

A. Jouvard

Secy

[ENCLOSURE]

115th East 14th Street.
New York, Dec. 12, 1878.

Grovernor P. Lowrey Esq.
Dear Sir:

I shall go to Menlo Park on Monday; as Mr. Edison thinks, that at present there is no necessity of completing my search.

This will make the time of service in the company, four weeks and two days. The compensation I leave entirely in your hands, as you were so kind as to express a willingness to care for it.

I am most truly Yours
Francis R. Upton.

#75-
75 per month
Clerk

T. A. EDISON.

Menlo Park, N. J., Dec 16 188[illegible]

Pur on this wtc

C. Goddard Esq
N.Y.

Dear Sir

Referring to your favor of the 14 regarding Mr Uptons idea, Mr Edison thinks 1/3 would be about right.

Very Truly
S L Griffin
Sy

29

John H. Porter
Benj. Lowrey
Geo. W. Soren
Chas. Patrick Stone
George S. Hamilton

P.O. Box 1836

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street, (DREXEL BUILDING.)
New York, Dec 17th 1878

Thomas A. Edison Esqre

Dear Sir:

Enclosed please find a copy of Mr E. N. Dickerson's opinion as to Sawyer - Mann Patents which I send you by Mr Lowrey's direction

Very respectfully
Charles Roth

[ENCLOSURE]

(Copy)

Newyork Decr 11th 1878

G. P. Lowrey Esqre
Drexel Building. City

My dear Sir:

I took your papers home last night, and examined them carefully, and I think I understand the different inventions that are involved in them.

It is my opinion that Edison's inventions are not anticipated by the Sawyer and Mann patents. Two of those patents, namely: No 205.303 and 205.305. have claims in them which, if read separately from the description in the patent of the thing invented, would seem to cover and include Edison's invention; but, when you read in the light of the description, they do not. The end proposed is the same in both. That is, to regulate the strength of the current of electricity so as to control the luminosity of the lamp, or to protect it from destruction; but the means employed are substantially different. In the Patent No 205.303 and in the seventh claim thereof, the thing proposed to be done is to break the circuit whenever the strength of the current exceeds safe limits; so that the lamp would be immediately extinguished, and there is no provision made for re-lighting

[ENCLOSURE]

it: and the operator must by manipulation, reinstate the current.

In the patent No 205.305 the mode proposed is, to regulate the power of a steam engine running a magneto-Machine by an apparatus which is actuated by means of the current of electricity, and in consequence of a variation of its strength. In Edison's plan the problem is to maintain a constant illumination of the lamp by maintaining a constant current, and by varying its strength at the lamp, so as to protect the lamp from destruction, while, at the same time its luminosity is not reduced; and this is a different thing from either of the others. In the first of the others it is like cutting the horse loose from the wagon to prevent his running, instead of reining him to the speed required; and in the second one it is like putting on additional horses instead of controlling the one you already have.

* In giving this opinion, I do so upon the assumption of what I know to be true, that the regulation of an electric lamp to protect it from destruction and to control the strength of the current is, in and of itself, an old idea, and has long since ceased to be patentable as a general principle of action.* To-day the only thing patentable in that problem, is the device or means for effecting

[ENCLOSURE]

the result, and has ceased to be the general principle which might be embodied in an indefinite variety of apparatus, all of which would come under the foundation patent, which first disclosed the difficulty to be overcome, and exhibited a practical way of overcoming it

Yours truly
(sd) Edw N. Dickerson

T. A. EDISON.

Menlo Park, N. J., Dec 18 1879

p 5 P.M.

N Y 18 Thos A Edison

Expect Banker Goddard and
and Friday if convenient
to you Tracy P Edison

10 paid
WFG

Home Insurance Company,
No. 135 Broadway.

New York, Dec 23 1878

J L Griffin Esq

Dear Sir

Mr Greenwood will call on you Thursday to inspect buildings & machinery for purposes of insurance as Committee deem it best to take out a policy -

Yours truly
C Goodhue

John H. Porter,
Lawrence N. Lowrey,
Geo. Wells Seven,
Elb. Monroe Stone,
George T. Hamlin.

P.O. Box 1836.

Porter, Lowrey, Seven & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad St. Rooms (DREXEL BUILDING.)
New York, Dec 23rd 1878

My Dear Edison:

I am down to day for the first time.

The Executive Committee of the Light Company had a meeting at which, however, only Mr Edison and Mr Banker were present.

We had a very good natured laugh over their disappointment at their visit. In addition to not finding you, they say that the general dilapidation, ruin and havoc of moving, caused the electric light to look very small, and that it looked rather as if you were getting ready to have an auction.

The accounts of expenditure were brought up, and it appears that about $8000 to $9000 has been expended, as I un=-dertood, mostly upon buildings & permanent erections. Mr Banker was very nice about all this, and said that although the cost of buildings was much greater than they had been led to suppose was necessary, yet it was allright, of course, if it was

John H. Porter
Grosvenor P. Lowrey
Geo. Welles Soren
Chas. Francis Stone
George S. Hamilton

P.O. Box 1836.

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad St. (DREXEL BUILDING.)
New York, 187

actually necessary. It seemed, however, very desirous that he and I as trustees, in a certain sense, for the expenditure of the $25000 should be able to answer for the details of these expenditures if, (as will be the case if we fail) we are asked by the subscribers any questions.

On the whole, I think it desirable that Mr Goddard, as Secy of the Company, should, with Mr Carman & Mr Griffin, go through all these matters and arrange all the vouchers and put and keep the whole thing in exactly the right business form. It is very desirable that the Board should always have somebody to refer to who will understand everything going on at the works.

I shall go South some day this week with my boys for a couple of weeks, & before going should like to get the Drexell Morgan agreement off my hands — I shall in a few minutes go downstairs to see them and enquire if the paper is satisfactory to them.

John H. Porter
Gouverneur P. Lowrey
Geo. Wolfe Soren
Chas. Francis Stone
George S. Hamilton

P.O. Box 1836

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street, (DREXEL BUILDING.)
New York, _____ 187_

Please let me hear if it is satisfactory to you.

Yours very truly
G. P. Lowrey

Metropolitan Hotel,

Broadway and Prince St.

Henry Phillips, Manager. New York, Dec 27th 1878

To the President of the
Edison Electric Light Co.,
No. Broad St N.Y.

Dear Sir:— Having been desired by Mr Edison to call on you in reference to the enclosure: I beg leave to state in connection therewith that I understand, the only problem left unsatisfactorily solved in connection with the practicability of Electric Light, is the cheapness — the cost of Power required to produce any given number of Lights.

Assuming this to be the case & acting upon your suggestion I send communication through the Log of the Co, I therewith submit the statements relative to the production of Power through the medium of the

Boiler & Engine therein described for your consideration. The main object being to call your attention to the fact that I will give you any desired horse power at our shop the cost of any other.

Respectfully
C. H. Perry
131 William St.

1 NY 27

Dec 27.91
310

Thomas A Edison

If Doctor Soulage
Calls about Gramme
Machine refer him to
Fabbri. Don't let
him see light

G. P. Lowrey

1657H
mac

THE EDISON ELECTRIC LIGHT CO.,
2 BROAD STREET.

NORVIN GREEN, PRES.
R. M. GALLAWAY, V. PRES.
H. F. PARSONS, TREAS.
C. GODDARD, SEC'Y

New York: Decem 28th 1878

H. Griffin Esq
Menlo Park

Dear Sir:

As the Company think it prudent to cover the buildings & machinery by a policy of insurance the bearer Mr Griswold wishes to inspect them for that purpose - Please allow him to do so

Yours truly

C. Goddard Sec'y

THE EDISON ELECTRIC LIGHT CO.,
65 BROAD STREET.

NORVIN GREEN, Pres.
R. N. HALLIDAY, V. Pres.
E. P. FABBRI, Treas.
C. GOODMAN, Sec'y.

New York, Decem 31st 78 187

Thos A Edison Esq
Menlo Park

Dear Sir:

I have this morning had an interview with Dr Joulieges and learn from him that all the large machines are reversing machines, but that each large machine is accompanied by a smaller one (two 1/2 horse power) of continuous current.

Dr Joulage does not seem to recognize Mr Latham's authority to make any arrangements such as that proposed & says he could not carry out his wishes in the matter without first obtaining the consent of his Company in Paris. He does not think they would be willing to lease a machine as proposed by Mr Latham, but thinks they would consent to allow him to sell us

one of the small continuous current machines now here, separate from the large reversing machine which it accompanies. If we desire he will telegraph to Paris for authority. The cost of the small machine will be 2000 francs with I presume the duties added.

Please let me know at once what your wishes are and I will act accordingly.

Yours truly

C. Gouard Jay

NY Dec 31 - 78

E. Goddard

Regarding Grammer Mach

Replied Dec 31 - Silent
but out small machines
if could not get it so proposed
by Mr L -

T. A. EDISON.

Menlo Park, N. J., _____ 187

2 Jersey City 20

Thos A Edison MS.

When will you be prepared to show the light as suggested in my letter of yesterday I have seen the gentlemen whom you were with last evening and am to see them again this Evening answer

G P Lowrey

36 DH.

To G P L

I will have the light ready in two days.

T A Edison

9. DH.

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

The rates of this Company require that all messages received for transmission, shall be written on the message blanks of the Company, and subject to the conditions printed thereon, which conditions have been agreed to by the sender in making use of this form.

THOS. T. EckERT, Gen'l Sup't. WILLIAM ORTON, Pres't. | NEW YORK.
GEO. H. MUMFORD, Sec'y. | New York.

Dated _____ 187

Received at _____

To _____

1878. Electric Light - Foreign (D-78-021)

Correspondence, some by Edison; memorandum, agreement, clippings.

Not selected: duplicate copies of correspondence.

No. 4 20,000. 22-7-8.

[Service Message Form.]

The Direct United States Cable Company, Limited.

NEW YORK STATION, Sept 27 1878

Recd. from | Sent or handed in to |

Time M. Time

Clerk. Clerk.

Prefix. No. of Message. No. of Words.

From London To Edison NY

Friends have considering purchase 3
Russian electric light have induced 6
them to delay until June 9
Can be tested - Instruct as 12
soon as possible and don't 15
compromise foreign patents - 18
will remit you sum as 21
papers are executed - 24
Please answer Cables 27
more prompt by 30
Gourand 33
36

No. 4 20,000. 22-7-8.

[Service Message Form.]

The Direct United States Cable Company, Limited.

NEW YORK STATION, Sept 27 1878

Recd. from | Sent or handed in to |

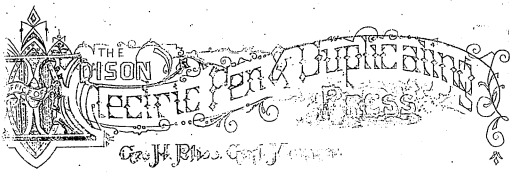
Time M. Time

Clerk. Clerk.

Prefix. No. of Message. No. of Words.

From London To Edison NY

Adam says Huskas 3
not the man to handle 6
electric light - Don't 9
negotiate with him - 12
Telegraph price European 15
patents also American 18
Await my letter - 21
24
Gourand - 27
30
33
36



142 Lake St. Chicago. SEPT 30TH, 1878.

T. A. EDISON ESQ.
MENLO PARK, N.J.

DEAR SIR:

AM DELIGHTED AT YOUR SUCCESS WITH THE ELECTRIC LIGHT.

IT MEANS A LARGE SUM OF MONEY.

BEETLE HAS WRITTEN A GOOD DEAL ABOUT THE NEW WEDERMAN LIGHT WHICH HE SAYS DEVIDES THE CURRENT INTO 70 PARTS SUCCESSFULLY.

I PRESUME ADAMS HAS KEPT YOU POSTED IN THIS DIRECTION.

BEETLE SAYS A GAS CO. HAS OFFERRED $1,000,000.00 FOR THE CONTROL OF THIS LIGHT IN GT. BRITTAIN AND $500,000.00 HAS BEEN OFFERRED FOR IT IN FRNCE.

I SHALL HOPE YOU HAVE A CLEAR FIELD AND THAT THE PILE OF SOME OF THESE PARTIES WILL BE MADE SICK.

HERTZ HAS BEEN DECORATED AS A KNIGHT OF THE LEGION OF HONOR IN FRANCE.

HE CONTROLS THE GRAMME MACHINE, JABLOCHKOFF AND WEDERMAN LIGHTS FOR THIS COUNTRY AND HAS A LARGE INTEREST IN EUROPE ACCORDING TO BEETLE.

HE SAYS OVER 500 BOXES OF GOODS AND SEVERAL FORRION ENGINEERS ARE ON THE WAY OVER TO START THE ELECTRIC LIGHT IN SEVERAL CITIES AT ONCE IN THIS COUNTRY.

I GIVE THIS INFORMATION AS I DONT WANT YOU TO LET THEM SWEEP THE FIELD.

AM GLAD TO HEAR PUSHAS HAS MADE A GOOD TRADE IN FRANCE ON THE TELEPHONE PATENT.

I HAVE ALWAYS THOUGHT MY STOCK AND FAITH IN YOUR INVENTIVE GENIUS WOULD PAN OUT IN SPITE OF THE SNEERS OF SOME OF MY FRIENDS AT THE VALUE OF PATENT VENTURES.

BEETLE'S LAST SAID HE WAS ABOUT TO SAIL AS USUAL AND IN DUE TIME EXPECT A CABLE THAT HE HAS STARTED.

YOU NEED NOT THINK I AM NOT COMING DOWN ANY MORE FOR I AM AND HAVE BEEN WAITING FOR BEETLE TO COME BUT SHALL GO SOON ANY WAY.

RESPECTFULLY,

[illegible]

OFFICE OF PLOCK & CO.,
51 William Street,
P. O. Box No. 1394.

New York, Octo 5. 1878.

T. A. Edison Esqr.
Menlo Park
N.J.

Dear Sir,

Our friend Baron Erlanger of the firm of Emile Erlanger & Co. Bankers, of Paris & London, sends us from Paris the following cable message, viz:

"Mr Edison asks him communicate with us concerning his electric light improvements"

We shall be pleased to hear from you, when and where we may see you in this City, or if convenient to you, when you can call on us at our office.

Very Respy Yours
Plock & Co.

Recd Oct 7th 78

Called at Placerville
told him Bishop had
pole change - see
him before he commits
himself - G

The Direct United States Cable Company, Limited

16 Broad Street

New York 7 Oct 1878

T. A. Edison Esq
Menlo Park N.J.

Dear Sir

I have much pleasure in handing you the two enclosed telegrams which have been received at this office for you

Yours truly
Geo. G. Hard
Supt
D.U.S.C.

[ENCLOSURE]

No. 4 (Service Message Form.) 20,000. 02—7—8.

The Direct United States Cable Company, Limited.

NEW YORK STATION, 7 Oct 1878

Recd. from | Sent or handed to

Time M. Time

Clerk. Clerk.

Prefix ..... No. of Message ..... No. of Words .....

From | To Edison

Panic in Gas shares electric light occupying much public discussion large Combinations forming to work it but hesitate which system to adopt how soon can Adams show your system here, if you will cable what it is desirable to say about it, if anything I will publish such a letter in leading newspaper as will at least delay anybody's purchasing until your system can be seen

Forrand

T. A. EDISON.

Menlo Park, N. J. [illegible] 187[illegible]

Working up details of

Gourand.

Say nothing publicly about light — let them go ahead I have only correct principle, Requires six months to work up details, gas men here hedged to go in with me, twenty telephones go on seventeenth, dont wait for new things go ahead on what you have, sample new receiver be sent soon yesterday.

= Edison

Copy sent to Wood

Winchester Eng Oct 9.78
Henry wm Frampton

Ans d Oct 21 78

H. W. FRAMPTON
BUILDERS
MERCHANT.

52, 53 & 54 Jewry Street
Winchester Oct 9th 1878

Sir,

As soon as your Patents relating to the subdivision and adaptation of electricity for Street lighting (using the present Lamp Posts) as described in a letter to the London Times of yesterday, and in extract from New York Sun are completed, I shall be ready to enter into negociation for terms upon which I may use your system for lighting the 300

Public Lamps of this City of Winchester, a work I now perform by means of Petroleum.

The City authorities are favorable to such a change, and I have been preparing to aid in it for the past two years, and shall therefore be ready to enter into it as soon as your interests will allow it.

I may say that in the U. S. I am known to Mr. J. T. Tatum Attorney at Law St. Louis, Mo. Mr Clarence Frampton Glass Works Crystal City Mo. Mr Joseph Goulden Elmira, N. Y. or enquiries may be made through the house of Baring Bros.

Meantime,

I am, Sir,

Yours respectfully

A. W. Frampton.

To

T. A. Edison Esq M. S. T. E.

Menlo Park N. J.

U. S. America.

T. A. EDISON. 1 8.50 am

Menlo Park, N. J., Oct 11 1878

N.Y., 11

Edison

Secure light patents England immediately, accidentally discovered something- moments delay dangerous

Adams

11 Paid 48.25
Inc-l

T. A. EDISON. 1 1.52 pm

Menlo Park, N. J., Oct 10 1878

Edison
Menlo Park New Jersey

Has Russell anything to do with your light
Cable answer Rubey

Pushas

10 Paris
Bo 1

---

1 Oct 13, 78

Pushas
Paris

no

~~[illegible] on Continent~~
~~[illegible]~~

21 [illegible]
180 1

Mr Dr Pushor;

Money $1900 received by Sennell Saturday. Patents go forward next Thursday. It will be necessary to take two ~~first three~~ sets of patents, The first set will contain the germ principle, with apparatus that is somewhat imperfect, I cannot delay the patent to perfect the system because once the principle proved I am safe from the effects of publicity. The second set of patents will have to be obtained when the apparatus has reached a stage where several hundred are been at once in operation & perhaps a final set, but it is possible that only two sets will be necessary. The first set will cost from 12 to $1500,

The arrangement with Vanderbilt is closed up and they have paid us this money —

No one but ~~yourself~~ you and I have anything to do with the light on the Continent, ~~& have ~~ ~~Received that~~ Emil Erlanger the big paris banker ~~who~~ called here to secure Light & came here to me & referred them to you; My Impression is that I can make my system a great success so do not commit yourself without submitting terms to me,

Yours

J A E

Proof of letter to
Parks Oct 14 '28
E. Light
[illegible]

T. A. EDISON.

Menlo Park, N. J., Oct 15 1878

Paskas
Paris

Don't ~~[illegible]~~ commit yourself on light without consulting me,

Edison

6 40 P.M.
9 5y

REYNES BROTHERS & CO.
P. O. Box 4051.

New York October 15th 1878.

Professor Edison
New York

Dear Sir

We are in receipt of a communication by Cable from a highly respectable source intimating a desire to enter into negotiations for the purchase of your latest patent of the electric light for a european country.

We shall be enough to appoint time and place for an interview.

Yours truly
Reynes Bros

465 & 8 Exchange Place

73.

My dear Mark

NOTE
FROM GEO E GOURAUD.
6 LOMBARD STREET. E.C.
LONDON 1878.

Electric Light for Italy

A Roman Marchese & Member of Parliament of one of the wealthiest families in Italy has been with me for the last 20 days trying to secure a patent for Italy & is prepared to pay down a handsome sum on the of advance & royalties & has promised to communicate with him whenever we are ready to start for Italy but if I have got to go this Parliament I shall have nothing to do with it – so I hope you will at least make me independent of him

GEG

Kanbon
Oct 16 '15
Telegram

T. A. EDISON.

np

Cable

Menlo Park, N. J., Oct 19 1888

Edison mo

Will Consult you

6 Paris

Theodore Puskas Esqr

Dear Sir:

I cabled you on the 15th as follows: (insert it.)

Since I communicated with you last some friends of mine in this Country have engaged with me for the purpose of developing and perfecting in the highest degree the Electric Light, and with that in view have provided the requisite capital for that purpose, as I have cabled you. By this means I hope, ~~to be able~~, before concluding any definite arrangements with any persons in Europe for the use of the light to be able to exhibit precisely what it can do, and for that reason I am desirous that nothing should be consummated for the present, or until I have given you definite instructions upon the subject.

In the meantime my friends Messrs Drexel Morgan & Co of this City (being among the parties who have interested themselves, here) have mentioned to me that Mr Harjes of their house in Paris would at the proper time be willing to confer with you in respect

to what shall be done with the light in Europe. I shall be glad if you will put yourself in communication with Mr Hargis upon this subject; and meantime do nothing tending to commit either yourself or me until we have completed entirely our de-monstrations of the light here, and until I have given you further in-structions.

Yours very truly
T A Edison

Asher K. Porter,
Grosvenor P. Lowrey,
Geo. Hecks Soren,
Chas. Francis Stone,
George S. Hamilin.

P.O. Box 1836.

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad St. Bldg. (DREXEL BUILDING.)
New York, Oct. 17th 1878

My Dear Edison:

I have received your enclosure from the Ex-Mexican Consul.

Decidedly I should think it best to take out patents in Mexico, and in others of the Central and South American States — wherever there is patent law, and to get Government concessions where there is not. You remember that upon Mr Edisons suggestion you consented that these should go into the arrangement with the Edison Electric Light Company, subject however to a different provision as to royalty; that is to say, as I understood it, your royalty for those Southern Countries is not to be counted in the $30000 ~~to~~ which you are limited for the United States and Canada.

Mr Soren is now going over the Contract carefully, and I will have a provision put in fixing a similar limit for South America, say $30,000 for those Countries. That, I think will be fair.

After a conversation with Mr Banker this morning I think it right to suggest that you should not answer, for the present, any enquiries which may be put to you by parties recently in negotiation with you as to the progress you are making. After reflection it is our opinion that those parties have not been actuated by the most elevated sentiments, and we see no reason why they should be favored with the means of judging whether to come in or not within the fortnight which I gave. The answer which was made to me on the day when we parted, in your presence & in that of Mr Edison and Mr Banker, was such as to make me regret that I had suggested keeping the thing open. I think, therefore, as that gentleman is for the moment out, he is not entitled to have any information as to how you are getting on.

In respect to your letter of the 18th to your Paris Agent I should like to see you, and then we will draft a letter suitable to go to him.

I am fully of opinion that the very best thing you can do is to interest J. S. Morgan & Co, of London, with you directly, so that they will be interested in enhancing

the price instead of being interested in reducing it. I have mentioned this to Mr Fabbri, who has again complimented me upon getting to be too much of a Banker; but added, "of course that is the very wisest thing that "Mr Edison could do, because then you "may be sure that all the money there is "in Europe" to be got out of this thing "will be got. and I will add fairly accounted for.

The rights and interests of Col Gouraud and of your Paris Agent, of course, are to be protected. If these gentlemen are intelligent they will at once see that by enlisting the services of such a house as Morgan & Co their own interests will be very greatly enhanced.

I should like to know when you are coming in, and will telegraph to find that out to day. Yours Very truly

G. Bowley

T. A. Edison Esqre
Menlo Park
New Jersey

NOTE

To T. A. Edison Esq
Menlo Park
New Jersey

FROM
THE MERCANTILE TRUST COMPANY.
GEO. E. GOURAUD RESIDENT DIRECTOR
6 LOMBARD STREET E.C.
LONDON. 19 Oct 1878.

You will no doubt receive various communications from this Country regarding your Electric light. It is essentially important that you should refer everybody here. This I am sure, you will appreciate. Letters and personal visits continue to pour in. All are eager to know when the thing can be exhibited and many want to have a hand in it.

GG.

14 Oct

Gen Butler to ask Ward from Gouraud to say to
Fitzgerald
120 Broadway. New York.

Edison announces sure and if possible prevent his
associating another by in New York with Gouraud
in Edison's right for Europe - Gouraud is opposed
to giving him so small undivided interest in advance
of results of patents based only on principals
& the division of right as claimed -

NOTE

FROM
GEO E GOURAUD.
6 LOMBARD STREET. E.C.
LONDON 24 Oct 1878.

73 T. A. Edison Esq.
Menlo Park
New Jersey.

Electric Light

I trust long before you receive this that the enclosed cable will have been replied to and that the Electric Bonanza will be born. I have been visited by a great number of influential people amongst the very first in the City who are all of one opinion that there never was a time so favorable to the launching of a large Company than the present for the Edison Electric Light Company. All conditions are anomalous. There are two hundred and seventy millions of Pounds Sterling ($1,360,000,000) trembling in the balance on the actualities of your – as they call it – "alleged" discovery. The whole scientific world is as busy as a bee in trying to find out how you have done it and the danger of delay comes from this rather than anything else. Besides now we have a universal free advertising such as cannot be bought for money under any circumstances. Every paper throughout

(1)

that Lingdow has something in it. I have endeavoured to keep you supplied with a fair assortment. It would have been folly to send you all as they naturally say much the same thing.

I am fully of opinion that my friends and advisers are right that now is the time to come out with a Company and that the Capital would be subscribed possibly several times over.

The long Cable concerning Reed and the Rapieff light is the result of several interviews which originated at their request and I have been for several days confined several hours each with Reed and some of his associates who are amongst the leading Bankers here. The result reached with them is expressed in the answered cable so fully as to make further explanations unnecessary. They began naturally enough by proposing joint interests profits and that sort of thing but I would listen to nothing except upon the

basis, if at all, of having Royalties on their thing only where it was used and so they finally expressed themselves as very satisfied. They were frank enough to say that although they were on the point of bringing out their Company when your discovery was announced that in the face of public expectations concerning you and what you probably had ~~to~~ done that they had no chance to hope successfully to float a Company on anybody's light and so I think the terms as finally agreed to will be found to have no disadvantages to us and indeed have the very important advantage of enabling us to at once proceed with the Company by reason of the fact of our being able immediately to furnish some kind of Electric light.

Yours &c &c
Thos. A. Edison
Esq.

GEB

(3)

[ENCLOSURE]

Gouraud. Edison
Menlo park

loan	effect	promptly
the	following	with
your	approval	&c.
J.	Reed	controls
Rapieff	system	already
lighting	timed	printing
office	and	adopted
Reed	no	well
no	of	already

(1)

[ENCLOSURE]

have	numerous	applications
for	immediate	supply
light	on	large
scale	rumours	current
of	other	subdividing
inventions	one	such
already	registered	most
desirable	occupy	field
quickly	Reed	prepared

(2)

[ENCLOSURE]

supply
Combination
present
any
controlling
future
immediate
Company
~~Capital~~

light
wooed
Excitement
capital
Existing
monopoly
issue
capital million
£100000

immediately
under
command
thus
and
proposed
of
sterling
cash.

(3)

payable
advanced
your
exhibited
perpetual
be
yourself
your
ropalty

to
Royalties
system
here
royalty
determined
directors
approval
proportionate

you
immediately
is
your
to
by
subject
Red
on

(4)

[ENCLOSURE]

his
when
present
repayable
each
stand
own
Combination
to

patents
used
outlay
by
system
on
merits
no
us

only
Reeds
£5000
Company
to
its
This
disadvantage
but

(5)

the
opinion
people
we
immediately
availability
light
demand
-table

contrary
of
here
should
and
of
and
justify
reply

General
fistclass
that
proceed
present
Rapiffo
Executing
it
promptly.

(6)

Forwarded
to Lombard St.
2nd Oct 1878 by Bar.

T. A. EDISON. 3 11.10 Am

Menlo Park, N. J., Oct 24 1878

N.Y. 24 Edison Menlo Park

Light tremendous excitement
Papers full friends advise
immediate issue Company
Million Sterling royalty basis
large advance payment Excellent
Board all ready details
Subject your approval
Cable reply Gouraud
London

28 paid
S.G

T. A. EDISON. 5

Menlo Park, N. J., Oct 24 1878

Mr G G Ward
16 Broad St NY

Please say to Gouraud
must see parties here
before can negotiate
Edison

11.15 A.

7.15 P.M.
G J S

T. A. EDISON. Handed Ward a copy of this

Menlo Park, N. J., Oct 25 1878

Gouraud London

Grosvenor P Lowrey No three Broad St New York has my power of Attorney with full authority to deal with English Matters Communicate with him

Edison

Sent free by G. P. Ward

T. A. EDISON. 1 12 1st Pm.

Menlo Park, N. J., Oct 26 1878

N. Y. 26

T. A. Edison Md

See Lowrey immediately my reputation staked on your support

Gouraud London

10 paid

A-9

NOTE

To. T. A. Edison Esq
Menlo Park
New Jersey

FROM GEO E GOURAUD
6 LOMBARD STREET. EC.
LONDON. 26 Oct. 1878.

From my Cables of to-day copies sent - I am sure you will not have misinterpreted my great solicitude into any apprehension that you had compromised my position in the matter. I have known you too long and well to fear that, but as you cannot appreciate so fully as I do the precise status of things here I have taken the only precaution available in communicating as I have with Lowry. It is unfortunate that it has been necessary to thus Embarrass my actions but I can readily understand how it may have come about. I trust however that Monday morning will relieve my mind upon the vital point and so will not trouble you further in this connection.

GG

[ENCLOSURE]

Copy Telegram. Oct 26th.

Gouraud

Edison
Menlo Park -

See Lowry immediately my reputation staked on your support

E

[ENCLOSURE]

Oct. 26.

Brightsea
New York.

Edison	voluntarily	designated
me	his	represented
here	Electric	light
as	such	already
widely	Known	over-run
letters	visits	representative
people	everywhere	all
ready	issue	large
Company	best	auspices

(1)

waiting	only	Edison's
approval	general	plan
Edison	now	cables
Grosvenor	Lowrey	has
power	Attorney	See
Lowrey	explain	injury
if	replaced	also
desirability	in	all
interests	my	consummating

(2)

[ENCLOSURE]

negotiations	If	necessary
Minister	friends	subject
here	positively	national
Excitement	Several	good
Companies	controlling	other
systems	about	issuing
now	pressing	join
us	practically	our
Terms	London	Times.

(3)

hday	two	columns
declares	Existing	pressing
public	demands	law
exceed	possible	supply.
months	to	Come
Recommend	Rapieffs	pending
arrival	Discount	expresses
astonishment	no	large
Company	Feb	occupied

[ENCLOSURE]

so important field and
I quote Apart from Edisons
invention there is a wide field
of operations lying before the
promoters of Electric lighting
and it can hardly be doubted
that those who boldly and successfully
occupy this field will draw Mr
Edisons and all other real improvements -

(4)

after them - end: All good opinions
friends agree. Edison Company
should issue immediately Can
command very best people as directors
and success worthy all concerned. If
must delay define immediately my
relations Latest plan Capital
Five million sterling First issue million
Five pound shares First call pound.

(5)

[ENCLOSURE]

nothing further till Edisons
Exhibited here -

[illegible] forward

[illegible] 26.10.78.

[illegible]

NOTE

To T. A. Edison Esq.

FROM GEO E GOURAUD
8 LOMBARD STREET E.C.
LONDON Feb 6 1878

Your letter of 11th inst confirming your previous cable announcing the placing of the Light in my hands jointly with strong parties in New York is received and gives me great gratification. I only thinst that the "association with parties in New York" referred to will not be in such form as to allow of my efforts being hampered. I have been forced into negotiations that could not be avoided owing to the excited state of mind in which so many people are for the business. This is a great moment for a brilliant move and I shall hope that the great expense to which I have gone in presenting the situation to you by Cable (the D. H. business is stopped) will have been so clear as to enable prompt and approving decision in New York. Since the Rapieff negotiations the two other Companies have come to the front and evidently seek the same joint

(1)

arrangement. Thus if we start now we start with really all the practical Rights in our hands and immediately occupy the finest field for business that has presented itself for many a day. Stand by me old boy and you know the response upon my part sure to follow.

Yours

(2)

NOTE

To J. A. Edison Esq
Menlo Park
New Jersey

FROM GEO E GOURAUD
6 LOMBARD STREET EC.
LONDON. 26 Oct 18/8.

Theodore Aston Q.C. (Queens Counsel) is at the very head of his profession in England as regards Patent Laws and has no rival. I have thought it wise to at once retain him on our Electric Light so as to preclude the possibility of his falling into the hands of anybody else. I am pleased to be able to tell you he has accepted the Retainer. This is a step, the wisdom of which I am sure you will appreciate.

E G

T. A. EDISON. N.Y. Draft to Tinker at N.P. 1/8 Dra

Cable Menlo Park, N. J., Oct 29 1878

Edison

Menlo Park N J

Patents Examination delayed Matter
payment end week – Beware of Soulage
Herzer Gautier and Fourquenel
show nothing about light

Puskas

22 Paris

Copy

Lindfield,
Muswell Hill
Nov 1. 1878.

Colt Gouraud.
Dear Sir,

As I have more than once stated to you in conversation, I desire now to repeat in writing that I shall be glad to have the first offer of Mr Edison's Patent for a Sun-meter in connection with his Electric light for use throughout Great Britain (excluding the Colonies & the Empire of India) - Be good enough to acknowledge receipt of this if you can find time.

Yours very truly
Cornelius Nicholson
Chairman of the Gas Meter Coy
&c.

Pa. I hope by special request of Mr. Edison. GG

Nov 7-78
—Lowrey—
Draft of a letter to
Puskas

G. P. Lowrey Esqr
Dear Sir:

Referring to our conversations in respect to the disposition on the Continent of Europe of my inventions touching electricity as used for producing light, power or heat, (being the same inventions which I have agreed to sell to the Edison Electric Light Company of New York, for this Country) I have to say that I am desirous to make ~~the same~~ a similar arrangement with you, and, through you, with such Banking or Commercial houses as you may choose, as I have made with respect to the patents for Great Britain, provided a suitable arrangement can be brought about with Mr Puskas, of Paris, in satisfaction of ~~any, either moral or legal~~ his claim ~~which he may have~~ upon me to be admitted to a participation in the profits derived from the sale or use of these inventions on the Continent of Europe

Without entering more in detail into the basis of ~~any~~ this claim ~~which Mr Puskas may make~~ I have now to say that I will give you a Power of Attorney for all the European Countries except Great Britain, authorizing you to

dispose of all the inventions which I have already made touching these subjects, or may make during the next five years, for such price and on such terms as you may deem for my best interest, you to reserve one half the price or compensation paid or received at any time whether in royalties, cash payments or otherwise, provided you first obtain a satisfactory release to me from Mr Pusey's of any obligation such as I have above mentioned, any amount you or I shall allow to be held as an expense by the joint account.

Stet

Paid Credit

You are aware that I have conceded, claiming that I shall ~~have a legal claim~~ ~~to be~~ Mr Pusey's ~~as a matter of strong~~ ~~bending upon me morally with a much force as if I were to~~

I therefore do not ask for a release in legal form, but some letter or cable dispatch which will satisfactorily show me that you have met his requirements & relieves me, in honor, from any claim by him.

Very truly Yours

John H. Porter,
Grosvenor P. Lowrey,
Geo. Wales Soren,
Chas. Francis Stone,
George S. Hamilton.

P.O. Box 1836.

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street, (DREXEL BUILDING.)
New York, Nov 9th 1878

My dear Edison:

I have read with interest the correspondence between Mr Shea, and Messrs Brewer & Jensen. There is the right ring in their talk. I think this is the body you should be at all times represented, as not designing to profit by or infringe upon any other mans work, and do not requiring any partners

Please read again my proposed letter to Puskas: you evidently did not read it through. It only expresses in other language what you say in your letter of November 8th, and very likely your letter would serve every purpose. ~~I would prefer~~. I would prefer the other, if upon reading it you change your mind, because it is more specific and full. Of course it is necessary as a preliminary to asking Hayes of Paris to be Mr Puskas and

to arrange this matter, to satisfy the ~~house~~ ~~moodd~~ Rice, that when ~~your~~ the shall have is arranged, the business will be fixed in the manner which I have described. This is the sole object for which I wish the letter written that I may place it in their hands. For my own purpose I should not have ~~written~~ wanted any writing whatever.

I will arrange that nobody shall disturb you until your new building and new engine are up.

In haste

W. P. L.

John W. Porter
Governeur P. Lowrey
Jno. Wells Seven
Chas. Francis Stone
George S. Hamlin

P.O. Box 1836.

Porter, Lowrey, Seven & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street (DREXEL BUILDING.)

New York, Nov 11th 1878

My Dear Edison:

Enclosed you will find a letter which is sent to me by Mr A. Belmont.

Mr Belmont is intending unsuccessfully to procure an interest in the Electric light Co. of this city and I have told him I will do what can be done. In the meantime instead of sending forward to Mr. Puskas the letter which you sent me, I will hold it for a day or two - until you give me further instructions - in view of the possibilities which are disclosed by this letter of the Rothschilds.

From all that I can learn of Mr. Puskas he would probably be a very useful and effective man working in connection with serious and successful people such as our friends, Drexel Morgan & Co & Belmont are; while he probably would not succeed so much with so much success if he were to operate alone -

As I have before said to you, Mr. Puskas will probably consider it to his advantage to have a minor share of the larger profits which these great houses will make, rather than a larger share in what he will be able to form alone. It will not be altogether sufficient that you should make the best electric light; your things must coincide: you must conquer all the difficulties in nature and your financial agents must have the standing to enable them with a strong hand to push aside all competitors in the financial field, or if they are not able altogether to push them aside, to push them in the back ground. This is the same case over again of the Western Union as a partner and friend, as somewhat equally deserving but much less powerful association.

I enclose a letter by the way and as I think you ought to address to Brewer & Jerson for Mr. Shea. I will also write a letter which I will recommend you to send to Mr. Puskas, to be a part of the means for bringing remedy and Mr. Darjis into proper relations.

I see that ~~Sweden~~ Norway ~~is~~ is not included in the telephone patent of

Mr Ruskas, and there are several letters here from people in those countries. Will you give me a power of attorney for you in those countries? If so I will either put those moneys into the same course as the English patents or will communicate with other parties.

Messrs Fabbri & Chauncey who are now managing the South American countries, & have telegraphed out to their various correspondents to get special concessions and priveliges in those countries, would like to undertake India, China & Japan, and perhaps Australia and other English colonies provided these are not claimed by Drexel Morgan & Co.

I should like to be able to give before next Saturday's mail to Mr Belmont a clear concise statement in generalisms of course, of what you have done and what you already see in view; nothing which will amount in any way to a description but the substantial particulars which Baron Rothschild asks for. I took young Belmont to task for that phrase in the letter which says, "the Microphone, Phonograph &c were trifles", and asked him

(4.)

The supposed Rothschild had ever heard of the carbon telephone and whether he considered it a trifle.

Can you find time or if you cannot can either Batchelor or Griffin make such a statement for me.

It should be a statement entirely free from enthusiasm and should answer the following questions;

1st Has Mr Edison devised a means by which he can make use of the electric current to pass in the same circuit any considerable number of lights ~~upwards of thousand~~

2nd Is he able to regulate and control the light so as to make it equally favorable, agreeable & convenient for domestic use as the ordinary gaslight. A sample are yet and maybe we will be able to light more than the Edisons [illegible]

3rd How would, in Mr Edisons opinion, the original outlay to light a town of a given number of inhabitants, say of 100,000, by his method compare with the original outlay to light the same by gas. Cannot you figure out & will be [illegible]

4th How would the expense of his system compare with the expense of the lighting by gas. Cannot you figure out & will be [illegible] at least [illegible] pages [illegible] of cheap

5 Is Mr Edison obliged to avail of any other patents than his own for any purpose

2nd

5

6th. Does Mr Edison believe that the existing plant of yr companies such as underground lines, gas fixtures &c can be utilized with any profit in running the electric light

[illegible] can be [illegible]

Some of these questions of course the 1st, 2nd, 4th & 6th I could answer myself from what you have told me but I should like to have the thing in a form in which it can be forwarded to the Rothschilds with your signature. I think it would be interesting to them to have it. Still do not bother about it at all at the expense of other things

Very truly yours

G. P. Sowry

T. A. Edison Esq.
Menlo Park
N.J.

Letter (Form of) to Brown & Sharpe

I enclose the agreement with the Edison El. Company for signature, it being now right. There will be also a special letter of yours to the secretary directing him to deposit $100,000 in shares with E. P. Fabbri to divide among the subscribers in accordance with the original arrangement. This I will draw before the agreement is changed.

John K. Porter
Donald P. Lowrey
Geo. Yates Seven
Chas. Francis Stone
George T. Hamilton

P.O. Box 1836.

Porter, Lowrey, Seven & Stone,

Attorneys & Counsellors at Law,
No. 3 Broad Street, (DREXEL BUILDING.)
New York, Oct 11 1875

Dear Sir:

Mr Lowrey has just received the enclosed letter from Col Monroe which intends for your perusal & if you may return when you have read it.

Very truly yours
R. Kent

J. A. Edwin Esq
Menlo Park
N.J.

[ENCLOSURE]

Oct 8

Daniel O. Lord Esq.

My dear Mr Lord

Our exchange of cables as hereinafter confirmed taken together with the lengthy cable from myself to Fitzgerald of the 26th inst leaves little necessity for further explanation so very full was I in my explanation of the situation in the letter date referred to. You will I trust have rightly understood the meaning of my second cable if you did not so understand my first I should be very sorry to have Mr Kearney and even more so Mr Edison suppose for a moment that I had called in a Lawyer. My reason for troubling you is the high position you occupy in the Lawyer profession together with the fact that you can at the same time speak of me as a friend and if any more is required I am sure Dan will do the needful amongst my friends. I have only a slight acquaintance with Mr Kearney but I believe Pullman and Baker know him very well and will undoubtedly be glad to speak for me if necessary. I have every confidence that Mr Edison has not complicated the situation have by giving his version of the matter for in the light of the great importance of the Edison and my unlikely future connection henceforth with Edison you will readily appreciate my natural anxiety that no mistake should be made which would compromise my position here to which

[ENCLOSURE]

(Oct 30 78)

attach far more value than any pecuniary results which might come from the negotiations referred to. Edison cables me to day "alone" emphatically" from which I infer that I am alone to continue the negotiations, but subject of course to approval as to principles by Mr Lowry. I also infer that he disapproves of the suggested combination.

By the word "professional" in my first cable I meant you to understand that I desired the matter as between ourselves to be considered Professional

Yours very sincerely

W. E. Sumner

3

Thomas A. Edison

John K. Porter,
Discoverer P. Lowrey,
Geo. Noble Soren,
Chas. Francis Stone,
George F. Hamilton.

P.O. Box 1836.

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad St. Stock (DREXEL BUILDING.)

New York, Nov 13th 1878

My dear Edison:

I learn that it is a practical necessity of prime importance in Cuba to get local concessions by the towns. This can be much better done from here by persons having Cuban connections; and it should be done promptly, nothing seems to stand in the way except that an examination of the Spanish laws shows that there is no longer a particular law for Cuba and thus that Mr. Puskas can the way. Being so far off perhaps he would yield up to you any claim on Cuba.

I can make an arrangement with Mr. Navarro to pay all expenses for one half (1/2) and to pay also five (5) percent of that half to Mr. Puskas. It would be better arranged however if it came nominally from you to him although Mr. Navarro will arrange it so that you shall have a clear fifty (50) percent of the net result.

Will you therefore send at my expense the following telegram to Rickard.

"Parties here have special facilities to obtain local concessions for Electric light in Cuba. Will you waive claim to any rights in that Island. I will try to secure you small percentage of interest in Cuban ~~rights~~ profits"

Very truly yours

G. P. Torrey

Thomas A. Edison Esq
Menlo Park
N.J.

T. A. EDISON.

Menlo Park, N. J., 187

Nov 13 - 78

I telegraphed you on the following concerning the "Electric Light" and received your cable reply and on the I wrote you in confirmation and explanation of that dispatch.

When I discovered the process by which I now divide the light together with the other things which are included in my patent, I soon found that I had opened a field of investigation which would not only take a great deal of time but also a large sum of money - much larger than I could conveniently

Menlo Park, N. J., 187

manage for myself and accordingly I was obliged to call upon friends here for aid - without entering into particulars for which I have not the time now, at any, I had the good fortune to find $100,000 ready to be invested in confidence in my ability to bring it back again and I am now erecting a brick building ~~[illegible]~~ feet long by wide with two powerful engines & boilers in short all the means to set up a test most deliberately every point of the Electric light, so as to be able to anticipate meet and answer every objection before showing the light to the public or offer-

in it—for sale either in this country or in Europe

You can well understand that the question of my European patents arose in the hotel, ~~and~~ ~~performed~~ filled a large place in our negotiations when explaining to them ~~[illegible]~~ my relation to you and the [illegible] examined the telephone and phonograph agreements and ~~the telegraph~~ cables which now passed between us together with the back of your payment ~~upon~~ of the patent fees. They will within a few days commence with you through their Paris house with a view of uniting with you to act as agents for the sale of the light in all the continental countries except Italy

as to which country Mr Fabbri Chauncey of London ~~the being~~ ~~Italian, having~~ are strong to be better agents, Mr Fabbri having an interest of the best connections in that country—Mr Fabbri of Drexel Morgan & Co is a brother of Mr Fabbri of the other firm, & probably they will confer with you through the same agent in Paris ~~or~~ notwithstanding the intention in case you make terms with them to work Italy through Mr Fabbri & Chauncey in connection with you

You ~~[illegible]~~ feel great delicacy in speaking to you about this matter, but I feel so convinced that the ultimate outcome of the Electric light will be vastly

T. A. EDISON.

Menlo Park, N. J., 187

5

greater if managed everywhere by such financial houses as J. P. Morgan & Co. & London & other houses in & connection in other countries, that I believe you will realize more money by acting with them even at a greatly reduced share - if that should be necessary to secure their cooperation - than any man even you could act in working alone.

If we my inventors now to show or offer the electric light until it is perfected in every manner and all other respects that I can feel sure of its instantaneous victory over gas. This I can accomplish in from one to continuing aid of Drexel Morgan & Co, & their friends. The light is not yet in any shape to show, and

T. A. EDISON.

Menlo Park, N. J., 187

6

you can see therefore that they are practically engaged in investing their money in large amounts to bring my inventions to perfection. I hope therefore that you and they will be able to arrive at an equitable arrangement for dividing the fifth portion of the proceeds of sales which I am willing to allow so that I may have the satisfaction of knowing that your skill & capacity are united with their commercial facilities to get the best dollar for electric light which the Continent of Europe has to offer.

Them telegraph and other additional inventions since the application for a patent want only and I am now on the track of a total new form of lamp but in addition for which patents must be taken out in order to prev.

T. A. EDISON.

Menlo Park, N. J., 187

7 Ed

the invention completely. Before I have done with it, I mean to succeed. I have the right principle and am on the right track, but time, hard work & some good luck are necessary too. It has been just so in all my inventions, the first step is an intuition, & it comes with a burst. Then difficulties arise. This thing gives out, then that. "Bugs" as such little faults and difficulties are called have themselves, a month of intense watching and labor are requisite before commercial success or failure is certainly reached

5 NY 14

Nov 14. 78
3 21 PM.

Thos A Edison
Md.

Absolutely necessary for you to come in tomorrow to make South American powers of attorney. I shall write letter to Tribune denying statement of this morning that you are not connected with railway Company and have stopped electric light business

G. P. Lowrey

10 PM
Ma G

Nov 14 78

5 Md

G P Lowrey 3 Broad St NY

Cant notary here fix up papers

T. A. Edison

6 PM.

3 41 PM
G Ma

Nov 14. 1878.
4 15 P.M.

6 N.Y. 14

T. A. Edison
Md.

No it is the consul here who takes the acknowledgment.

G. P. Lowrey

10 PM
Ma G

John K. Porter
Grosvenor P. Lowrey
Geo. Hutchinson Seven
Chas. Francis Stone
George S. Hamlin

P.O. Box 1836.

Porter, Lowrey, Seven & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad St. Stock (DREXEL BUILDING.)

New York, November 16th 1878

My dear Edison.

Mr Navarro has telegraphed to Havana and has an answer from that that the special patent for Cuba is still issued as before.

Accordingly he has applied in your name for certain concessions, knowing, since they will be issued to you personally there was no harm in this course. He having just mentioned it to me I wish you to know it. In case the Spanish patent had covered it I think a license for Cuba to him, or share with you according to my letter of the 13th will produce much more than Cuba can be made to produce in any other way because of his activity and extensive acquaintance. Please consider my letter above mentioned and let me know if you send the cable there suggested or receive answer from Quekas. The letter which Raynes Brothers will write you about Spain had better be referred to me for the present I think.

Very truly

G. P. Lowrey

Asher R. Porter
Donald P. Lowrey
Jno. Wells Seren
Chas. Francis Stone
George S. Hamilton

P.O. Box 1836.

Porter, Lowrey, Seren & Stone,
Attorneys & Counsellors at Law,
No. 5 Broad Street, (DREXEL BUILDING.)
New York, Nov. 16th 1878

My dear Griffin

One thing about which I feel special desire to be full and accurate is those questions which I sent to you last week intended to draw out material upon which Mr. Belmont can answer inquiries addressed to him by one of the Rothschilds of Vienna.

Please let me have what you can as soon as possible, and mention this to Edison as a matter in which I feel desired to comply.

Very truly yours

D. P. Lowrey

Rd.
Re Pucka's letter where

John H. Porter
Benjamin P. Lowrey
Geo. Hicks Soren
Ch. Barnes Stone
George S. Hamilton

P.O. Box 1836

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street, (DREXEL BUILDING.)
New York, Oct 18th 1878

My Dear Edison,

Enclosed please find letter from August Belmont. I go to Albany tonight and shall not return until Wednesday. Would it be possible for you to come in the latter part of the week if so write that I may arrange for the requisite interview on my return from Albany

Very truly yours
B. P. Lowrey
L.

Thomas A. Edison Esq
Menlo Park N.J.

No Belmont letter enclosed

John H. Porter
Governeur P. Lowrey
Geo. Wales Seven
Chas. Francis Stone
George F. Hamlin

P.O. Box 1836.

Porter, Lowrey, Seven & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street (DREXEL BUILDING.)
New York, Nov 21st 1878

Dear Sir;

Enclosed please find the letter of Mr Belmont to Mr Lowrey. The first letter which was mislaid was a letter by Baron Rothschild of Vienna to Mr Belmont. I enclose you a copy of this last letter also. You see therefore they are different letters.

Mr Lowrey has just returned from Albany and hears that there is some project by the Executive Committee for visiting you on Friday. He urges that this be done he suggests that you appoint Saturday in the afternoon for an interview with Mr Belmont as Mr Lowrey expects to be engaged through the early part of the day.

In regard to the letter concerning the move on the M. E. R. Mr Lowrey recommends that they be sent to Mr John Baird

(2 Enclosures)

Very truly yours
R Kent

T. A. Edison Esq.
Menlo Park N.J.

[ENCLOSURE]

Th. in Europe

Vienna 25th October 1878.

Dear Mr. Belmont.

I have just read in the English papers a notice out of the New York Herald of 12th October treating Mr. Edison's inventions on Electric Light.

It would greatly interest me to learn, whether really there is something serious and practical in the new ideas of Mr. Edison, whose last inventions, the microphone, phonograph, etc, however interesting, have finally proved to be only trifles.

I should therefore be much obliged by your giving me your opinion on the matter, especially if the new invention is of such practical value as to allow electric light to be henceforth employed everywhere just as gas-light, and not only in very large rooms or places, as is now the case.

Thanking you on beforehand for your kind communications on the subject, I remain, Dear Sir,

Truly yours,

S. M. Rothschild.

T. A. EDISON.

9

Menlo Park, N. J., [illegible] 187

Cable

Nov 29. 78

5.28 P.M.

1

Edison

Menlo Park New Jersey

Will reply as soon
paris hour communicated
Is that right

Pusskas

14 Paris
By 9

Editor Paris

Let me hear promptly
in answer to letter of 15th

Edison

Dispatch Yesterday
[illegible]

3.55 P.M.
9 P.M.

John K. Porter.
Governeur P. Lowrey.
Geo. Wales Seven.
Chas. Frances Stone.
George S. Hamlin.

(P.O. Box 1836.)

Porter, Lowrey, Seven & Stone,
Attorneys & Counsellors at Law,
No. 32 Broad Street, (DREXEL BUILDING.)
New York, Nov 29th 1878

Dear Sir;

Mr Lowrey directs me to say that he called on Mr Belmont yesterday and had a very pleasant conversation in which nothing particular was said as to the object he has in view in asking for an interview with you, although he said generally that he desired to gain for you the benefit of the influence and support of his friends in Austria.

Mr Lowrey thinks it very desirable that the meeting should take place and hopes that you will certainly come in town.

Please bring back the Sawyer patent which was sent you this morning

Very truly
Rockwell Hunt

T A Edison Esq
Menlo Park
N.J.

DREXEL, MORGAN & CO
Wall St. Corner Broad.
New York.
DREXEL & CO.
Philadelphia.
DREXEL, HARJES & CO.
Paris.

New York Nov 29 1878

Thos. A. Edison Esq
Menlo Park
N.J.

Dear Sir

At the request of our Correspondents in Naples, Messrs Cerulli & Co, we beg to hand you the enclosed letter addressed to your goodself.

We remain
Yours very truly
Drexel Morgan & Co

NY Nov 29.78

L rec'd 111 7(a)

Regarding E Light

Letter from Secty

Sent to Gov't

Saturday Evg Nov 30.78

My dear Edison

after much cogitation Mr Fabbri & myself have fixed upon the enclosed as a proper telegram for you to send to Puskas, if my despatch reached you in time to-day to prevent you from sending any other — You can do as well for Puskas here, as it is right he should ask — & probably get him thereby a larger return than he would get for himself under the present arrangement —

Some misunderstanding led Mr Drexel to suppose that the excursion for Monday was given up; and accordingly he will not be there — I am in doubt whether to go down with Fabbri and

2

Galloway, or postpone it all until say, Friday or Monday next. Will telegraph you on Monday morning — Will see Belmont. Try to fix the Sunday — In the meantime if you get the new engine in use this will be all the better —

Let me know if you send the enclosed that I may report to Mr. Ro

W. P. Hovey

[ENCLOSURE]

Blank No. 11.

CABLE MESSAGES.

THE WESTERN UNION TELEGRAPH COMPANY.

All messages destined for points beyond the United States, via the Atlantic Cables and the Cables to Cuba, which are received by this Company for transmission, will be so received and sent forward over its lines to the terminus thereof, and there delivered to the next connecting Telegraph Company, only on the terms and conditions printed on the back hereof.

A. R. BREWER, Sec'y. NORVIN GREEN, President.

.....187

Send the following Message, subject to terms and conditions printed on the back hereof, which are agreed to.

To.....

Think I can negotiate much better here and secure one strong combination to finance light and sell it. I must be entirely free however If you leave it to me will secure for you such share in general profits as I

(1)

Blank No. 11.

CABLE MESSAGES.

THE WESTERN UNION TELEGRAPH COMPANY.

All messages destined for points beyond the United States, via the Atlantic Cables and the Cables to Cuba, which are received by this Company for transmission, will be so received and sent forward over its lines to the terminus thereof, and there delivered to the next connecting Telegraph Company, only on the terms and conditions printed on the back hereof.

A. R. BREWER, Sec'y. NORVIN GREEN, President.

.....187

Send the following Message, subject to terms and conditions printed on the back hereof, which are agreed to.

To.....

think right under circumstances besides reimbursement your outlays and compensation for any future services My interest requires this and practical success may depend on it. Answer

(2)

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

The Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been assented to by the sender of the following message:

Repetition of a message to be transmitted is guaranteed only by paying thereon half the amount of the unrepeated message, and the Company will not be liable for errors or delays in transmission or delivery of any unrepeated message, from whatsoever cause arising.

This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions named above.

A. R. BREWER, Sec'y. WILLIAM ORTON, Pres't.

Dated New York 11 30 1878

Received at

To Thos A Edison

READ THE NOTICE AT THE TOP.

Don't send the message to Ruscas until I have been shown to Drexel Morgan & Co. We shall not come out on monday on account of possible negotiation with Drexel. perhaps I will come

G R Lowery

3 11 78

T. A. EDISON.

6 Cable

Menlo Park, N. J., Dec 3d 1878

Puskas
Paris.

Important negotiations with Drexel Morgan here. May require considerable more money to develope light. If I can secure you re-imbursement of outlay and ten per cent net profits whole thing to be financed by Drexel and their connections you to co-operate will that be satisfactory. Think our interests will be greatly advanced. Answer important.

Edison

57 Menlo Park N J 30 Dec
9 Ma
4.44 P.M.

This cable cost $3.32 paid
Twice in Paris
Int. Co. Mt Co

NOTE

To. C. A. Edison Esq
Menlo Park
New Jersey

FROM
Geo E Gouraud.
6 Lombard Street E.C.
LONDON. 4 Dec. 1878.

THE TIMES, WEDNESDAY, DECEMBER 4, 1878.

THE ELECTRIC LIGHT.—A correspondent informs us that yesterday, being the last day for such opposition, "notice of objection to the grant of a patent" to Mr. Edison for "improvements in the method of and means for developing electric currents and lighting by electricity" was filed at the Great Seal Patent Office by Messrs. Herbert and Co., as agents for Mr. J. H. Russell, on the ground that Mr. Edison "is not the true and first inventor." The case will be heard by the Solicitor-General at his Chambers in about a fortnight's time. There are several rivals in the field who claim to be before Mr. Edison with his alleged invention.

I suppose you will have heard of this by cable. I sincerely hope there is nothing in it. In any case it is fortunate I retained Mr Theodore Astor Q.C.

I am still anxiously awaiting your information regarding the precise nature of the provision which you have been good enough to make by which I have been counted in.

Congratulations on the light business
as conducted today

NOTE

To.
T. A. Edison Esq.
Menlo Park
New Jersey

FROM
GEO E GOURAUD.
6 LOMBARD STREET E.C.
LONDON 5th Dec 1878

Referring to Preece's remarks concerning your 3 useful inventions as given in extract from to-days Standard herewith perhaps you will like to give me full data from which this apparently slanderous statement may be contradicted. If you do I will see that it is done in a handsome ~~fashion~~ manner. Send me a complete list of the 269 patents. The statement left unanswered is calculated to lead to many prejudicial inferences and we may make such an answer to this as will effectually show Mr Preece's animus, and have incidentally some important bearing upon the principal controversy.

GEG

[ENCLOSURE]

THE STANDARD, THURSDAY, DECEMBER 5, 1878.

THE ELECTRIC LIGHT AT THE SOCIETY OF ARTS.

An overflowing audience assembled last night at the rooms of the Society of Arts on the occasion of a paper being read by Mr. JAMES N. SHOOLBRED, B.A., Mem. Inst. C.E., "On the Practical Application of Electricity to Lighting Purposes." Among the company present were Lord Alfred Churchill, Sir Douglas Forsyth, K.C.S.I., Sir Charles Bright, Major Webber, R.E., Professor Ayrton (of Japan), Mr. R. Rawlinson, C.B., M. Suisse, Mr. W. H. Preece, Mr. James N. Douglas, and Mr. Hollingshead. The chair was occupied by Dr. SIEMENS.

The large lecture hall was lit from the centre of the lofty ceiling by a Siemens' electric lamp, the current being supplied by Dr. Siemens' arrangement of a dynamo-electric machine attached to a motor consisting of a three-cylinder Brotherhood steam-engine. Other electric lights were maintained by means of a Gramme machine, driven by an Otto silent gas-engine, lent by Messrs. Crossley Brothers, of Manchester, the Gramme machine being lent by the Silvertown Telegraph Company. The entrance hall and the ante-room were both illuminated by electric lamps, one by Suisse and the other by Hallo. The lecture table was plentifully supplied with other lamps, not lit up, including specimens of the Rapieff and the Wallace. On the wall were numerous diagrams of electric machines and other appliances, including a drawing of a hydro-carbon engine exhibited by Messrs. Thomson, Sterne, and Co., of Glasgow. Great interest was shown in the proceedings throughout, and a large number of visitors were unfortunately "crowded out," much to their dissatisfaction, seeing that many of them had arrived early. The large electric light in the ceiling was the source of considerable amusement during the evening. After burning steadily for some time, this light began to fluctuate in its brilliancy, so much so that on two or three occasions the gas had to be turned on, amid loud applause from one part of the company, followed by counter cheers from another party when the electric light again resumed its intensity. It was explained by Dr. Siemens that the irregularity was not due to the lamp, but to the engine—or, rather, its boiler—which, being hurriedly put up in a temporary manner, failed to work satisfactorily, the pressure of steam sometimes falling so low as almost to amount to a dead stop.

Mr. SHOOLBRED commenced by explaining that the object of his present communication was to state the results of a few of the actual applications of the electric light to illumination for industrial purposes, which have been in operation for a period of time and under such conditions as to have caused each to pass beyond the stage of a mere laboratory experiment. After describing the introduction of the electric light for lighthouse purposes, he observed that any comparison on purely economical grounds between the use of the light in this way and in industrial works must necessarily be unfavourable to the former. This arises in part from the paramount necessity of providing in the lighthouse an illumination of the most perfect character, and abundant in intensity, as well as of providing an amount of extra plant to guard against any cessation in the illumination. The generally isolated situation of the lighthouse also adds to the cost of the materials employed, and causes the personal staff employed to be of a more skilled class than where assistance in the matter of repairs is readily available. At the goods station of the Northern of France Railway at La Chapelle, Paris, the company, finding that the night work done in the goods sheds and in the yard outside was very inferior in amount to that done during the day (about 37 per cent. per head), and that, moreover, a considerable number of small articles were mislaid and lost during the night work, determined to try the electric light to improve matters. Making use of a Gramme machine and a Suisse lamp, the latter allowing of twelve hours' consecutive burning, the result showed an economy of about 60 per cent. in favour of the electric light as compared with gas. At Rouen, at the ironworks of Messrs. Powell, the electric light was introduced to illuminate a newly-made erecting shop in the autumn of 1876. Two single-light Gramme machines, of the small or "M" size, with two Serrin lamps, conducting cables, &c., were provided, and fixed complete for 196*l.* The lamps were suspended under the centre of the shed, 60ft. apart from each other, and at a height of 30ft. from the ground. No special motor was provided, the requisite power being taken from the engine which served to give motion to the tools, &c. A series of carefully taken indicator diagrams showed that, on an average, 2½ indicated h.-p., was absorbed by each light, which was found to contain an intensity of 1900 candles (measured horizontally). This illumination (costing actually 4d. per hour per light) would come out, if with an allowance for a special engine, and 12 per cent. for interest and depreciation, at a total expense of 2s. 10d. per hour; as against 7s. 7d. for an equally effective illumination with gas, at 7s. 8d. per thousand cubic feet, the price in Rouen. Messrs. Powell, after two years' experience of the working of the electric illumination, and finding it so much cheaper, more effective, and healthier than gas would be in their erecting shed, have decided to extend it without delay to the rest of their works. Another example of the electric light was afforded by the Paris, Lyons, and Mediterranean Railway Company, at their Paris terminus. This company, having decided to try the effect of the Lontin electric light, gave permission to the patentees of that system to enter upon a period of preliminary trial at their passenger station to enable the company to judge of the efficiency and economy of the illumination before finally adopting it. Twenty-eight electric lights distributed about the station, and replacing 172 gas jets, were supplied with electricity by a combination of one generating and two dividing machines, all upon the Lontin system. The lamps used were the modification of the Serrin, introduced by M. Lontin, whereby a number can be employed upon one circuit (where only one of the original Serrin can be used). The power of each of these dividing machines was that known as of "18,000 candles." The motor power for this temporary arrangement was a Brotherhood 3-cylinder engine, supplied by steam from an old locomotive (lent by the railway company). This arrangement proved, however, to be wasteful in steam. The effective illuminating power of each electric lamp was considered to be equal to that of 80 gas jets. The average cost of the 28 electric lamps during these preliminary trials would appear to have been about 8s. 2d. (10.25f.) per hour. This preliminary experience lasted from September 7th to October 28th, 1877. The result was, however, sufficient to satisfy the railway company as to the effectiveness of electric illumination, and as to the possibility of its being carried on without interruption, and it induced them to enter into a contract with the patentees of the Lontin system to light up for a period of twelve months a large receiving shed in their goods station of the same terminus. Twelve lights were to be provided, all emanating from one dividing machine. The total cost per hour was 5s. (6f.), or 5d. (0.50f.) per light, the contractors finding everything requisite, except water, and bearing all working expenses. In the early part of the present year, the Western of France Railway Company decided to try the Lontin system of electric lighting at their Paris terminus at St. Lazare. The patentees of this system commenced in May last to light up the goods yard, on the arrival side. For this purpose six electric lights are placed against the columns which carry the roof, at a height of about 12ft. from the ground. They are provided with electricity from a Lontin (double) machine, of the type known as of "12000 candles." The motor power being afforded by an agricultural engine of h.-p. nominal, and the total consumption of coal per hour being about 80lb., the lights were found, by a series of careful experiments, to be of a mean luminous intensity of 400 candles each. They are generally left naked, without any shade, without any ill effect being produced upon the persons below. The lamps used are the Serrin, modified by Lontin, so as to admit of several being placed upon one circuit; in this instance they are placed in pairs, six lamps upon three circuits. The consumption of the 8 round carbons was found to be at the rate of 1½d. per light per hour, and the total hourly expense of each light 8d. In the month of June the directors of the railway company determined to extend the electric illumination to the departure side of their passenger station, called the Salle des Pas Perdus. Proceeding to a description of electric street-lighting in Paris, Mr. Shoolbred stated that while the patentees of the Jablochkoff system had kept up a very considerable amount of mystery as to the cost of their light, the result, as worked out by the authorities of the city of Paris, showed that the cost of the Jablochkoff light was 2.6 times that of gas. Accordingly, the authorities terminated the contract on the last day of November. Mr. Shoolbred went on to state that the contractors have, however, offered to continue the contract at the reduced rate of 0.60 f. (6d.) per light per hour. The Municipal Council of Paris have declined to continue any contract, except provisionally, up to January 15th, 1879, and that only at the rate of the original cost of the gas, viz., at a total expense of 7.224f. (6s., nearly) per hour. By information lately received from Monsieur J. Allard, the chief engineer of the lighting department of the City of Paris (under the engineer in chief, M. Alphand), and by whom the details were kindly communicated, the contractors for the lighting the Société Générale d'Electricité have consented to undertake the lighting at the above reduced rate. The price paid to them, therefore, will be, up to January 15 next, at the rate of 1½d. per light per hour, for what, on their own statement, costs 11d. A series of very careful photometric measurements, carried out by the municipal authorities in the Avenue de l'Opera itself with the existing illumination, showed each light to possess a maximum of 300 candles of intensity with the naked light; while by the interposition of the opaque globe the maximum was reduced to 180 candles (a loss of 40 per cent.), and this again to a minimum of 90 candles during the darker periods through which this light passed. The Rapieff light was then referred to, concerning which it was remarked that, although it was too early to judge of the actual results, it might be said that the system was working fairly and with regularity. Respecting the recent trial of the Jablochkoff light at Billingsgate, Mr. Shoolbred observed that the "candle" had the characteristic of throwing most of its light upward, so as to need a reflector. Or the "candle" would act better if it could be turned upside down. Still, he contended that the Jablochkoff light was but a rude device, and a very expensive one.

Mr. JAMES N. DOUGLAS, the engineer to the Trinity Board, stated that the electric light at the Souter Point Lighthouse had only failed twice in eight years, once owing to the attendant going to sleep, and once from a defect in the carbon. He was inclined to agree with the Chairman that the subdivision of the light was not a very hopeful enterprise, but that for large spaces the concentrated electric light would have the preference over gas, being cheaper and more effective.

Sir CHARLES BRIGHT wished to see further improvements in the lamps.

Mr. APPLEGARTH exhibited the Rapieff lamp, without the light, and explained its construction. He believed it to be a successful light, though he did not expect to see gas superseded for lighting on a small scale.

Mr. W. H. PREECE remarked that the electric light became a subject of public interest about once in ten years. He found the Serrin lamp to be brilliant, the Werdermann to be steady, and the Wallace to be durable; but he had not found all these properties in any one form of electric light, though he acknowledged that the Rapieff light was a very pretty one. Hence the electric light was not yet introduced into the General Post Office. As to the subdivision of the light, he did not believe in it. Experiments showed that the intensity of the light diminished according to the square of the number of lights into which it was divided. He styled Mr. Edison "an American of the Americans," who had taken out 269 patents, of which only three were being worked, so far as he knew. He believed that although Mr. Edison was a clever inventor he had in this instance "stumbled on a tremendous mare's nest." Still he considered that so far as concentrated light for large spaces was concerned electricity was the light of the future.

Mr. LADD stated that eight Wallace lamps had been maintained on one circuit, and he disputed the accuracy of the statements which had been made as to the number of lights carried on one circuit in the Lontin and some other systems.

Lord ALFRED CHURCHILL having addressed the meeting, the proceedings shortly afterwards came to a close with the customary vote of thanks.

NOTE

To.
T. A. Edison Esq
Menlo Park
New Jersey

FROM
GEO E. GOURAUD.
6 LOMBARD STREET E.C.
LONDON. 5th Dec. 1878.

I enclose letter from Mr David Chadwick M.P. of this day's date. If you have occasion to make any reply better make it through me.

[ENCLOSURE]

2. Moorgate Street,
London, E.C. Dec. 5th 1878

Dear Sir,

Referring to my interview with you yesterday in which I expressed my regret at the appearance in the Daily News of a telegram from New York announcing that Mr Edison had stated to a reporter that he had invented a mode of measuring the electric current used in lighting, I then informed you I thought it would prevent my carrying out the suggestion made at the previous meeting to send to Mr Edison a copy with drawings of Mr Lane Fox's Invention of an Electric Meter.

When I proposed to do this it was on the understanding, which you confirmed, that Mr Edison had declared that he had not had time to give his attention to the mode of measuring electricity for lighting purposes, although he believed it was quite capable of being done.

Mr Lane Fox's invention is most complete and efficient and combines simplicity with economy, and it only diverts an infinitesimal portion of the electric current for the purposes of measuring.

The high opinion which Mr Lane Fox & I have formed of Mr Edison's Inventions was the cause of our suggesting that it might be of great service to Mr Edison to know that an efficient electric meter had been invented.

[ENCLOSURE]

Notwithstanding the change of circumstances by the telegram published yesterday, and having reference to the fact that Mr Jane Fox has secured his Patent in England America and Elsewhere I am still willing if Mr Edison desires it to send him a copy of the specification and drawings of Mr Fox's Electric meter and I am sanguine enough to believe that it is possible that Mr Edison may at once acknowledge the ingenuity and efficiency of Mr Fox's meter, and may possibly prefer to adopt the same rather than proceed with his own.

I need scarcely repeat on my own part or the part of Mr Jane Fox that we should be glad to co-operate with you in this or any other matter relating to the practical application of the many important inventions of Mr Edison.

I am
Yours truly
David Chadwick

Col Gouraud
6 Lombard St.
EC

London Dec 6-78
Chadwick to Gouraud
about E Light matters
No reply

NOTE

To.
T. A. Edison Esq.
Menlo Park
New Jersey.

FROM
GEO E GOURAUD.
6 LOMBARD STREET E.C.
LONDON. 5 Dec 1878.

I have started to get the information you want about the Phonometer and will send it by next mail if possible.

Yours

I sincerely hope your next Reception will be here in time for Barnett's Foundry Lecture* Decr 30. Spare no means to this end. It will be a grand opportunity to bring the thing out. I suppose you will send enough for all the Transmitters you have sent.

Yours

* on "Edison and his Inventions"

John H. Porter
Spencer P. Lowrey
Geo. Welch Loren
Chas. Griffin Stone
George S. Hamilton

(P.O. Box 1836.) "Commercial Cable Address"

Porter, Lowrey, Loren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad St. and (DREXEL BUILDING.)
New York, Dec. 5th 1878

I receive an envelope slip from last night's Commercial Advertiser. G

My Dear Griffin:

The $250 which I deposited was for the $245 which you will remember I treated as a loan to Edison in the first place, and added to one of his bills and retained it myself. At that time we had not had so much talk about foreign matters and I did not know precisely how they were to be fixed and the thing had rather passed from my mind; but on my way home the other night it suddenly occurred to me that there was some money which ought to be restored to him, and I thought I would do it in this way.

I do not think any other fees have been paid, although I authorized Mr Sewell to send the bills to me.

Nothing comes out from the Electric light fund for the foreign patents. D. M & Co are far enough into this matter now to be quite willing, I am sure, to advance all the cash required for those purposes.

The Drexel & Company partnership paper

has not been signed, but I will try and have it prepared within a day or two.

Messrs Navarro, Mora & Galloway must be brought out at some time, and I propose, since it is awkward to miss them with Belmont, that I go down with them tomorrow at 10 am, arranging with Mr Belmont to go down by the 2 o'c train so that he will arrive just as they will be leaving by the 3 o'c train.

I realize the annoyance of all this, but this end of the line has to be managed in that way. Navarro and Mora are very enthusiastic friends and supporters, and their Cuban business I look to as very important. I have put them off once or twice, telling them that we thus take up time which is of great value, but I do not like to repeat this too often. Edison must therefore allow this to be added to the interruptions, and after next Mondays visit I believe everybody will have seen what is to be seen, and he will then be left free to pursue his studies without further interruption, and strongly supported by the sympathy & confidence of his friends & associates.

Yours truly
E. P. Bowey

The following postscript has just been received from Mr Bowey & is meant to = mean? sent yesterday morning. Should otherwise be forgotten. Edison done and impatiently waiting. Mr Bowey allows once perhaps impossible. Perhaps
Yours T. S. M. & C.

T. A. EDISON.

Menlo Park, N. J., Dec 5 1878

12 30 P.M.

H Cable

Edison Menlo Park New Jersey

Answer tomorrow

Puskas

Paris
Mdf 4 66

76
5-6

5'

Dec 6-78
5-55 P.M.

Edison
Menlo Park New Jersey

Original conditions of
our agreement being maintained
Can do better for both of us with parties
here having more European influence
than yours whose support was
assumed before your recent Cable.
Cable amount required for development
light if figures not too high can
arrange Cable payment immediately
based on my interest leaving yours
untouched

Puskas

58 Paris
Mdf 4 66 74 9

DREXEL, MORGAN & CO.
Wall St. Corner Broad.
New York.
DREXEL & CO.
Philadelphia.
DREXEL, HARJES & CO.
Paris.

New York Dec. 6 1878

Thos. A. Edison Esq.
Menlo Park
N.J.

Dear Sir

We are this morning in receipt of cable instructions from Messrs Drexel Harjes & Co Paris to pay you $9.50 & Co, and we shall be pleased to have you inform us what disposition shall be made of the same.

Yours very truly
Drexel Morgan & Co

NOTE

75.

T. A. Edison Esq.
Menlo Park
New Jersey.

FROM
GEO E GOURAUD.
6 LOMBARD STREET. E.C.
LONDON. 6 Dec 1878.

Luxometer

From Mr Nicholson's letter, copy of which I enclose you will see that Luxometer is only a name which he gives to any light-measurer.

GEG

[ENCLOSURE]

Copy

Wellfield, Muswell Hill
Dec 5. 1878.

Dear Sir,

In reply to yours of this date I beg to say that in my conception a "Luxometer" would be any implement or instrument that took the measure of a light or luminant: Photometer might be as good a name as Luxometer, tho' I doubt it. What I seek is the right to make, for use, the means of measuring either the volume of Electric light, or the strength of the Electric Current furnished to the consumer & for which the consumer is to pay.

Very truly yours
Cornelius Nicholson

Col Gouraud,
6. Lombard Street.

T. A. EDISON.

Menlo Park, N. J., Dec 10 1878

2 25 pm

Cable

1

Edison Menlo Park New Jersey

Cable without signature by
Direct to ~~[illegible]~~ Editor Standard
London leading points of
American light patent when
public

Gouraud

20 London Reply 20 Wds paid
MaCy

John K. Porter,
Grenville P. Lowrey,
Geo. Welles Loren,
Chas. Francis Stone,
George T. Hamlin.

P.O. Box 1836.

Porter, Lowrey, Loren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad St. (Drexel Building.)
New York, Dec. 10th 1878

My Dear Edison:

The visit yesterday was productive, I think, of solid good results. Our friends had their imaginations somewhat tempered; but their judgments are instructed, and we now have to deal with an intelligent comprehension of things as they are, which makes both your part and mine much easier. They realize now that you are doing a manly work upon a great problem and they think you have got the jug by the handle with a reasonable probability of carrying it safely to the well and bringing it back full.

In respect to Mr Puskas my situation and that of Drexel, Morgan & Co is a delicate one. They desire very much to control the light in all parts of Europe believing that by making one job of it, with head-quarters here, the general result will be more satisfactory in every way. I suggest to you some reasons for thinking it so much more for your interest to deal with them

than with people residing on the other side, as to make it proper for you to write in full to Mr Puskas enforcing your former proposition to him.

First. Before this light is introduced anywhere it must be exhibited in various places in Europe, say, for instance, London, Paris, Vienna and, perhaps, Berlin. These exhibitions should be under one control, and, to be made successful, must have your direction while preparing to make them; and, considering all the numerous questions which will from time to time arise, you will be much better off if you are dealing with your own people here, at home, with the opportunity for constant consultation comparison of views &c &c.

Second: When we come to the business of disposing of the patents it may be good financial policy not to sell outright, but to reserve interests in different places, to balance one thing against another, and to draw the largest result by allowing time &c. To do this rightly requires an amount of skill and power which neither you nor I possess, but which may be possessed by a great many bank-ers and financial people living here and

in Europe.

But, for your purposes, it ought to be a matter of the greatest comfort to have your partners, who are to account to you, right here, at your own home; people whom you can know all about, and whom you can reach by legal process if they treat you wrongly. By this means, also, you keep, through them, a controlling hand upon the development of the invention on the other side so as to enforce your views + wishes, and there may arise many occasions upon which you will be very thankful that every-thing is managed and controlled at the corner of Wall and Broad Streets, within twenty miles of your own office. Besides that, Americans and Englishmen, as Mr Fabbri said the other day, are a different kind of men to deal with from Continental people. I believe from my own experience that Americans are the honestest and most straightforward, as well as the best hearted people in the world. I think the English are next. An American Banker, residing in Paris, once told me he longed to get back to the United States for it seemed to him

as if you could deal openly and above-board with people in New York while in Paris, where he resided, there was no chicanery or trick considered to be beneath a great banker; that it was only by having the skill to watch them, and guard yourself at all points, that it was possible to do business with them.

Of course if you had a completed thing which you were willing to sell at a given price there would be no difficulty; but if you require a given price down it must a small one; or, if you reserve interests in the future development, in order to get the larger price, you will be entirely at the mercy of people who are not only personally but by habit, education, and general ideas, strangers to you.

Drexel, Morgan & Co have their own means and agencies for watching such people, and also the power, like any other strong banking house, to force the respect of these people. They expect to see them and do business with them again.

Third: It is altogether probable that you will require more money. How much more neither you nor anybody else can

tell. If you were to get some sum now, even as much as $50,000, from Mr Duelles (and if you get any amount it should be expressly stipulated that it is subject to all the risks of the business), you cannot know that that will be enough. You may ~~xxxxy~~ bring this up to a point where Anthony J Drexel, and men like him, will clearly see that the thing is sure, but that it requires, in order to put it to a test in Cities, the outlay of hundreds of thousands of dollars. If that time should come the money will be forthcoming (if only re--quired to find out the best method of doing an assured thing). In that case you would want all your assets here. If you should in the meantime have parted with your right to the Continental Countries it might very much cripple you.

To sum the whole matter up, you are now in the best conceivable position which the circumstances permit. You are introduced to a new class of men who entertain the highest confidence in your ability and respect for your character. They possess all the means which may ever be required;

they live here, speak your own language, share your ideas as to what is honest and upright; are conveniently at hand to act as partners with you upon every question touching the preliminary development and subsequent management of what we all think is to be a great property. They supply precisely everything which you are lacking, and possess all the European influence, or the means of getting at such influence, which can ever be required.

Upon these considerations, if you are so disposed, I think you might fairly write to Mr Suskas and say that he owes to your position some consideration; that while 10% is not as much as 50%, and while it may be true that his friends possess more European influence than yours, yet yours possess sufficient, and, upon all other considerations, are preferable, for your purposes, to his; and ten per cent of what they will get is a very large return, and one for which he ought to be very grateful for what he has done while the outcome which you may expect from dealing through your friends instead of his is vastly beyond the proportion of,

-ten to fifty. I think you might with pro-
-priety say all these things to him and urge
that he who obtains so considerable an
interest, as is now proposed, for so small
an outlay, and for merely receiving a tele-
-graphic dispatch, ought gracefully to yield
when he finds your position, generally, re-
-quires the change.

I repeat that I feel a delicacy in
pressing you about this because, of course, you
know that I expect Drexel & Morgan & Co to give
me some portion of their profits, and I do
not wish to crowd Mr Puskas any more
than I should wish anybody to crowd me,
nor will I do so by seeking to exercise any
influence upon your determination due to the
fact that I am nearer to you than he is.
I therefore lay these suggestions before you as
rational considerations fairly affecting your own
interest. I confess I should feel, however,
if Drexel Morgan & Co were not to get the
Continental business, that you had thrown
away one of your strong cards. I do
not mean to say that their interest would
relax, for they would still have the American
interest and the English business which

would be very great, and probably plenty to satisfy them so far as the profits go; but I think they are very proud of the idea of swinging the whole thing for Europe — it seems to enlist them as the Champions and representatives, and you know how men act under such motives.

Truly Yours.

W.P.L.

P.S.

Enclosed please find letter from Col Gourand. I suppose the proper answer to be made to him is, substantially, that when you decided to give him the power of Attorney for England nothing definite was said about his position; that in subsequent negotiations with B. M & Co it has always been expressly provided that they were to see him and arrange with him in a suitable manner, under the circumstances; and that in your letter to me you have made that an express stipulation; and that when they are prepared to do anything upon the other side he may expect that they will call upon him prepared to give

him a position and an interest such as they & he, as business men, think right. In short that you have done all you can by laying before them the whole matter taking their promise that they will treat that matter liberally and fairly.

What do you think about having the two light patents, 156 + 162 issued now? My impression is that we do not want them for anything and we had better wait. This will be just as you say, however.

L.

The general character of the agreement proposed with D.M. & Co will show what you must do with any other European agent, if you desire to retain that constant relation to the light which that agreement contemplates. You should certainly know who Mr Ras. Kas' parties are; in what capacity they are brought in, whether as agents to sell or as purchasers; & whether they are prepared to place, say $ at your disposal now, to be drawn & expended if needed in experiments. If they come forward with a liberal sum, say $50,000 (to be used only in case of necessity) & make the proper arrangements in respect to the future, you ought to accept it, & close with

them — If they will not do that — except that I do not name the sum arbitrarily — I think Mr Pus=kas would be behaving unwisely, + unfriendly to you if he does not at once relieve you from embarrassment in the manner proposed.

At any rate he should be given the opportunity to do so, again upon a full letter from you, setting out the exact state of the reasons for what is here proposed.

T. A. EDISON.

Menlo Park, N. J., Dec 18 1878

1

11 40 AM

NY 38

Thomas A Edison

Brandon has paid Puskas money to Drexel Morgan fifty thousand francs

L Wisdenell

11 NM

Dg 9

T. A. EDISON.

Menlo Park, N. J., Dec 19 1878

5 PM

2

New York 19 Thos A. Edison

Mex

Torlino has returned drawings and specifications for Mexico and will come to see you about agreements

Dennell

16 NM Mal 9

John K. Porter,
Lawrence P. Lowrey,
Geo. Wales Folsom,
Chas. Barnes Stone,
George S. Hamilton.

P.O. Box 1836.

Porter, Lowrey, Soren & Stone,

Attorneys & Counsellors at Law,
No. 3 Broad Street, (DREXEL BUILDING.)
New York, DECEMBER 19TH, 1878.

MY DEAR SIR:

MR. LOWREY NOW SUBMITS THIS AS THE FINAL PRODUCT OF HIS VARIOUS REVISIONS OF THE PROPOSED BETWEEN YOU AND D. M. & CO. AND INVITES YOUR SUGGESTIONS AND INSTRUCTIONS.

SO FAR AS HE IS ABLE TO FORECAST THE OCCASIONS OF DIFFERENCE WHICH MAY ARISE, HE HAS PROVIDED FOR THEM. AS TO THOSE WHICH HE CANNOT FORESEE, HE HAS MADE A GENERAL PROVISION TO HAVE THEM DISPOSED OF BY THE TRUSTEES, ASSUMING THAT AT PRESENT AT LEAST, BOTH PARTIES WOULD BE WILLING TO ABIDE SUCH DECISION. BUT SINCE CIRCUMSTANCES MAY OCCUR TO CAUSE ONE OF THE PARTIES TO BE UNWILLING TO ABIDE BY SUCH A DECISION, HE HAS NOT MADE THAT CONTROLLING, BUT HAS ARRANGED FOR AN ARBITRATION EITHER BEFORE OR AFTER DECISION BY THE TRUSTEES. THIS HE HAS DONE PARTLY BECAUSE HE WOULD REFUSE AND DOES NOT DOUBT THAT MR. FABBRI WOULD REFUSE ANY POWER TO DECIDE WITHOUT APPEAL IN RESPECT TO MATTERS IN WHICH THEY MIGHT AT THE TIME, HAVE OR BE THOUGHT TO HAVE PERSONAL INTEREST.

MR. LOWREY EXPECTS TO BE DOWN TO-MORROW AND WILL BE GLAD TO HEAR FROM YOU UPON ANY POINTS WHICH ARISE IN YOUR MIND AFTER READING THE AGREEMENT AS NOW PROPOSED. BY HIS DIRECTION I HAND A COPY OF THIS LETTER WITH THE AGREEMENT TO DREXEL, MORGAN & CO., REQUESTING FROM THEM SIMILAR SUGGESTIONS.

Verytruly Rockwell Kenh

[DECEMBER 21, 1878]

Agreement.

Agreement entered into this day of 1878 between Thomas Alva Edison of Menlo Park in the State of New Jersey, party of the first part; Drexel Morgan & Company, Bankers, of the City of New York, party of the second part; and Egisto P. Fabbri and Grosvenor P. Lowrey, hereinafter called the Trustees, parties of the third part:--- Witnesseth, Whereas the said Edison is the inventor of certain means for the development of Electric currents, and for the application of Electricity to uses of illumination, power, or of heating, which inventions are more particularly described in a certain application for letters patent of Great Britain filed in the Patent Office in London on or about the day of October 1878; and is intending to make other inventions relating to the same general subject; and is desirous of securing the aid and co-operation of said Drexel Morgan & Co., in bringing out and disposing of all ~~such~~ letters patent for Great Britain ~~as~~ may be granted to him for any such inventions made or to be made by him within the period ending January first 1884, and in the financial management thereof generally, as well as to obtain reimbursement of expenses already incurred with adequate provision for expenses necessary to be incurred in and about securing and defending such letters patent and for the proper exhibition in the City of London or elsewhere in Great Britain of the practical operation of such inventions or any of them.

And whereas Drexel, Morgan & Co., are willing to undertake the financial management and disposition of said Edison's said inventions in Great Britain whenever they shall be developed to a practical success suitable in their opinion to justify offering them for general use or sale, and---- in the meantime confiding in the skill and ability of said Edison are willing to provide the requisite means for obtaining and defending such letters patent, and for ~~the~~ exhibition ~~of~~ said inventions on a proper scale when in their judgment such an exhibition is desirable in consideration of an equal share in all the net proceeds, benefits or emoluments derived from the disposition of said inventions or any of them in Great Britain,

And whereas in view of the importance of the business and the necessity of placing said Drexel, Morgan & Co., in a position of absolute security at all times as to their ability to ~~keep and~~ perform such engagements as they may make in the premises against the revocation by death or otherwise of any power of attorney which might

be given them by the said Edison, it is desirable to place the title to all said inventions ~~or improvements~~ made or to be made, and all letters patent which may be obtained therefor in two persons or the survivor of them subject to the trusts and conditions herein stated; for which purpose the Trustees are willing to serve:

Now therefore it is agreed as follows:

First: Drexel, Morgan & Company hereby agree to assume the financial management of the said inventions and all of them in Great Britain and to give their best efforts and employ the best means and agencies accessible to them to obtain for such inventions, or the right to use the same, the best price and most favorable terms; to reimburse the said Edison all sums heretofore paid by him on account of the application for letters patent above referred to, not exceeding (I think only $245 change per Dec. 6-EDL) dollars, and to assume and pay all further charges incurred or necessary to be incurred in respect to securing or defending letters patent, for any inventions ~~or improvements~~ relating to the general subject matter above described, which may be made by ~~the said~~ Edison at any time during the period of five years above mentioned; all such payments and all advances which may be in any way required for the interest of the joint account hereby created to bear interest at seven per cent and be at the risk of the business, re-payable only out of the proceeds of sales or other disposition of said inventions or letters patent.

MUCH

Second: The said Edison agrees to transfer by an instrument of equal date herewith, all the right, title and interest in his said inventions already made to Egisto P. Fabbri and Grosvenor P. Lowrey as Trustees upon the following trusts and conditions: First, to hold the same for the joint and equal benefit of ~~the said~~ Edison and ~~the said~~ Drexel, Morgan & Company; and from time to time to assign the same or any part thereof or privilege thereunder to such person or persons and in such manner as may be directed or appointed by ~~said~~ Drexel Morgan & Company; and further to do and perform all acts and execute and deliver all papers or instruments required from them by Drexel, Morgan & Company to be done, executed or delivered, in aid of their power to contract for the alienation, incumbrance or use of said inventions, ~~improvements or letters~~

~~patent~~ or in performance and satisfaction of any contract made under said power; and in case ~~the said~~ Drexel, Morgan & Co., shall have failed to make a satisfactory disposition of the principal or controlling invention of ~~said~~ Edison relating to the production of light within three years from the date of letters patent for such principal invention then upon the demand in writing of ~~the said~~ Edison served upon them at any time within six months from the expiration of said period, to re-convey the same to him, subject to such outstanding licenses or partial or absolute assignment as may in the meantime have been made in good faith under a direction or appointment by ~~the said~~ Drexel Morgan & Co., but otherwise free and clear of all claims and demands on the part of said Trustees or any persons claiming by, through, or under them; it being the purpose of this provision to place ~~said~~ Drexel Morgan & Co., for the period of three years from the first day of July 1879, in a position of absolute power and security to dispose of and make a good title to, said invetions or any of them upon such terms and price, at such times, and in such manner as they may deem best for the joint interest; and after the expirztion of that period to give to the said Edison at any time within the six months above mentioned, under the conditions above stated, the right to resume control of the said inventions ~~or letters patent therefor~~ remaining undisposed of, and thereupon to terminate the interest of ~~said~~ Drexel Morgan & Co., in ~~all said inventions or letters patent.~~ the same.

~~Third.~~ Fourth.

The Trustees hereby accept the trust imposed or to be imposed by this agreement and instruments of conveyance ~~above~~ herein provided for, and agree, ~~subject thereto,~~ to hold and convey the title of all said ~~letters patent and~~ inventions ~~during the period above mentioned,~~ subject thereto.

Transpose Fourth ~~Fourth.~~

The said Edison does also hereby assign, transfer and set over to the Trustees upon the trusts herein provided, all other inventions or improvements made or to be made by him within the period of five (5) years ending January first 1884, relating to the subject above described, to be held upon the like trusts and conditions, and agrees to make applications for letters patent upon all such inventions from time to time as they are completed; and to make special assignments for each separate

invention as the applications are made and filed; and upon the issue of letters patent, to assign and deliver all such letters to the Trustees to be by them held upon the trusts and conditions aforesaid, and to execute and deliver all such other writings whether powers of attorney, original conveyances or for further assurance as may be requisite to vest a complete title to each and every such invention or improvement in the Trustees from time to time as the same become capable of legal transfer.

Fifth: In-asmuch as the sums of money stipulated to be paid by ~~the said~~ Drexel, Morgan & Co., are for an uncertain amount and cannot be presently ascertained, it is agreed that no outlay shall be demanded by ~~said~~ Edison for exhibition purposes in Great Britain until after a successful exhibition shall have been made in this country, and that all such outlay shall be controlled by ~~said~~ Drexel, Morgan & Co., as to time and amount; and the said Drexel, Morgan & Co., reserve to themselves the right at any time to decline to make advances for further counsel fees or expenses of litigation, but in that case it is deemed right and fair that ~~the said~~ Edison should at his option be restored to full ownership and control of his said inventions, ~~improvements or letters patent~~ remaining free and undisposed of; and it is therefore agreed that upon notice to ~~said~~ Edison of such election or upon failure or refusal to make such advances, as the same shall become necessary or desirable, it shall be at the option of ~~said~~ Edison to cancel this agreement by notice in writing to that effect and thereupon it shall be the duty of the Trustees subject to the provision of the third article thereof ~~upon demand of the said Edison~~ to re-assign to him all right, title and interest in any of the said patents then remaining in them; provided however inasmuch as the last foregoing stipulation is intended only to secure ~~the said~~ Edison against the loss and injury possible to arise from a misapprehension by ~~said~~ Drexel Morgan & Co., of the value and importance of any certain invention or improvement or of the necessity of procuring or defending letters patent thereon, and not to give him a power of cancellation in cases of honest and intelligent difference as to what is a useful or necessary expenditure in any particular case, no such cancellation shall take effect, against the objection of Drexel Morgan & Co., nor shall the Trustees be bound to re-convey, until after arbitration by three disinterested and qualified persons appointed as hereinafter provided, and a decision thereby in favor of ~~said~~ Edison.

Sixth: Upon all settlements between ~~said~~ Drexel Morgan & Co., and ~~the said~~ Edison, there shall be allowed as expenses of the joint account all advances made as above provided for, and all ordinary charges and Brokers commissions customarily paid upon the bringing out and disposing of loans upon the London market; but all special commissions or participations allowed to other bankers or financial agencies shall be paid by ~~said~~ Drexel Morgan & Co., out of their share of the proceeds which share is fixed at one half in order to cover everything requisite for a successful sale of the property and interests in question except the ordinary business charges and commissions above mentioned; provided however that all sums allowed or paid to Geo., E. Gouraud of London, on account of services rendered by him to said Edison in respect to these inventions shall be taken into account as one of the expenses of the business.

Seventh: ~~The said~~ Edison agrees to execute and deliver to said Drexel Morgan & Co., a full and irrevocable power of attorney with right of substitution to enter into agreements binding upon him to sell and convey to such persons as may be purchasers of the inventions above described, any and all other inventions which may be made, or for which letters patent may be granted, subsequent to the termination of that period, the consideration therefor to be ascertained in case of failure by the purchasers to agree with said Edison, by arbitrators to be appointed by said Edison and the purchaser in a manner similar to that hereinafter provided-- it being the purpose of this clause to assure to the purchasers of any invention, the title of which is vested or intended to become vested in the Trustees hereunder, the option to acquire the title to all other inventions or letters patent, made or issued after the five years above mentioned and to assure to the said Edison a fair means of determining the price to be paid therefor: and the price when ascertained shall be payable to Drexel Morgan & Co., and shall be ~~in like manner~~ divided equally between them and the said Edison, in the case of all inventions for which they have advanced or paid the expenses described in the first article hereof.

Eighth: The term "purchaser" as used herein shall be deemed to include all persons who by assignment, license, or otherwise, acquire any interest in or right to use any of said inventions. The term " inventions" shall be construed to include all discoveries, improvements and letters patent, issued therefor. The term " principal or controlling invention" as used in the second article hereof shall be construed primarily in the commercial

sense, and in case of any difference between the parties in construing or in performing this agreement, the same shall be settled by reference to one or more disinterested and qualified persons to be selected by the parties; provided, that in any case of difference as to the ~~trust~~ of one arbitrator, each party shall have the right to choose one, which two shall choose a third, and the decision of such arbitrators upon any question submitted to them shall be final.

Ninth: The said Edison agrees, when requested by Drexel Morgan & Co., or the Trustees, to execute separate instruments repeating the different covenants and stipulations of this agreement separately for more convenient use for filing and public records, or production in any legal proceeding where it is not desirable or necessary that the interests of the parties hereunder shall be shown. This agreement shall bind the parties of the first and second part, their respective assigns and personal representatives.

In witness whereof the parties hereto have hereunto set their hands and seals the day and year first above written.

New York, Dec. 23. 78.
20. Beaver St.

Thomas A. Edison Esq.
Menlo Park, N.J.

Dear Sir:

I have been waiting for an opportunity to see you & carry out the agreement which embraces, according to our last correspondence, my obtaining the patents in Mexico for the specified inventions & having the agency of them. But your constant occupations induce me, on account of my approaching departure for Mexico, forever me from having my time at my disposal therefore, I write you to avoid further delay.

While in Washington I received a letter from the agent of the electric pen, with whom I talked but as this is one of the specified inventions, I delayed answering until I know through you, the date of an interference

I. E.
2

which I have undertaken, because it refers to you & also to a suggestion, which probably you remember, was made upon a kind introduction of Mr Shear.

I write not go farther upon the bill I received from Mr Swell, because this really requires, as I am sure you think the same, to be embodied in the agreement which I hope will be in terms equally satisfactory.

Mr Sarrous is going to give me a letter of introduction to the agent of the Electric Light in Europe, that we may work together each in his own line.

Sometime ago I ordered a stock of "Morning News" to be sent hence & I was disappointed to find on my return, that it had not been forwarded. I sent it now thinking it will be interesting to you.

Hoping to hear from you soon

Ever

Yours Very Truly
Philip Stearns

Grand Hôtel de Bruxelles
21, Boulevard Central, 21

Bruxelles, le 25 december 1878.

Dear Sir,

Regretting infinitely our mutual misunderstanding and looking solely to our future mutual welfare I was delighted to learn through my friend the Hon. William S. Latham and the Lecture of Doctor Sonlinger that Arthur Combination in Electric Light Matters would be mutually profitable. I am willing to overlook past unpleasantness and ready to enter into arrangements with you.

I have today written Mr. Blake in regard to the Electric Pen and will write Mr. Prescott in regard to the Quadruplex and the Phelps Printer. These matters were all satisfactorily arranged by my friend Mr. Latham.

Henceforth therefore let us work hand in hand and I can assure you today that your past success in Europe is as nothing compared to what it will become.

P.S. Action on Electric Light Matters have upon order been deferred until I receive telegram from Mr. Blake regard to Mr. Batchelder, Pa.

Most Respectfully Your's
Somerset Ely
1 Place de Louvain
Brux.

MEMORANDUM.

Dec 26th 1878

To Thos A. Edison Esq
Menlo Park

From
Wall Street Financial News Bureau,
European, Commercial and Financial Telegraph Agency,
And Agency of London Exchange Telegraph Company,
PRINCIPAL OFFICES:
39 Lombard St., London, E. C. 1418 F. St., Washington, D. C. Jno. J. Kiernan, 21 Wall St.

Dear Edison:

Will you be so kind as to drop in, I want to see you in relation to a European matter, which one of most wealthy Bankers in Germany is desirous

of making some proposition to you or you to them – Wishing you Miss further success & the compliments of this season.

Believe me
Yours &c
Thos J. Freeman

Mylle 26 78
Rigman
Cont Dec 27 78

Managers,
HILAMONT L. HOOKEFAUX,
CHARLES J. CHEEVER.

P. O. Box 5529.

THE TELEPHONE COMPANY OF NEW YORK,

203 BROADWAY,

New York, Dec 31 1878

Dear Griff

I have an inquiry from parties who want to buy the right for the electric light in Brazil. Can anything be done in that direction? Who shall we apply to for particulars &c

Yours

M. K. Jelleff

John K. Porter
Grosvenor P. Lowrey
Geo. Wales Selden
Ch. Burrill Stone
George S. Hamilton

P.O. Box 1836.

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street, (DREXEL BUILDING.)

New York, Dec 31st 1878

My Dear Edison,

I am going South tomorrow for a few days. I expect to be back within ten days.

Enclosed is a copy of a letter just written by me to Col Gouraud, which was first shown to Morgan and Fabbri and approved by them.

I think you should write to Puskas inviting him to express his views as to what would satisfy him interest with Drexel Morgan & Co. Kay & Co. Gouraud and I think you should begin the letter by saying that finding it would be necessary to write to him at some length and being entirely engrossed with the light itself, you had given that matter the go by for the present but that now it will soon come up again & must be disposed of.

I think the European interest must be looked to for some contribution in money, if that should be necessary, towards the experiments here. It is rather an indefinite thing to talk about & therefore, as yet, I have

not spoken to D.M. & Co. on the subject, although I did intimate to Fabbri, by a message sent him while I was sick, that when we come to deal with the Continent I thought I should ask them to say whether, under proper restrictions, they would be willing to agree to furnish some money for experiments here, after the present fund has given out if that should ever occur.

I think in writing Puskas you ought to ask him whether he would feel disposed to take the risk of advancing some given sum, and you ought to make it large enough to cover chances - It is a pretty difficult thing to ask a man to agree to, because every one likes to reserve to himself in matters of this sort the liberty of judging, from day to day, whether any further investment is worth while. I do not exactly know how we could expect anybody to bind himself for a definite sum, but if Puskas would be willing to put up $25000 to $50,000 to be drawn for equally with the money which is now being used I should think that nobody ought to interfere with his having the full swing: But if he is willing to

do that, (while I have not the slightest expectation that D.M. & Co would agree to furnish that or any other specific sum) I think if the showing for final success was fair you might reasonably look to DM & Co for as much help as that in the future, if they had the arrangement for the Continent.

You must manage this correspondence with Puskas yourself, for, you see, leaving all other considerations aside, I could not undertake to push aside an arrangement with him, which might give you the requisite funds, when I am not able to offer you in its place an equally positive assurance from D.M. & Co that they would furnish a similar amount; and this, notwithstanding I believe, that without any agreement in advance, i.e. with them, you would get more financial aid and other support in the stress which I am now looking forward to, than you will from Puskas and his friends even with any positive promises they are likely to make, if fully performed.

I hope you will keep well and will have that good fortune which high merit and perseverance deserve.

Truly Yours

W. P. Howes

[ENCLOSURE]

Adam H. Porter
Drexel W. P. Lowrey
Geo. Yates Screnn
Ellis Thomas Stone
George T. Hamilton

P.O. Box 1835.

Porter, Lowrey, Soren & Stone,

Attorneys & Counsellors at Law,

No. 3 Broad Street, (DREXEL BUILDING.)

New York, Dec 31st 1878

Dear Sir

I am again at my office after a disability of about three weeks, and I intend going to-morrow for a trip to the South for a little re-creation and relief.

In the meantime I have not seen Mr. Edison since the receipt of your letter referring to the matter of fixing your interest in the English electric light business.

When he gave me the power of attorney he made reference to the fact that you had been representing him in other matters and that there had been some communication between you in respect to electric light. It was only after receiving your correspondence that I saw how active you had been in the matter. In fact we were all so much engrossed, here, in trying to get a light made that not much thought has, as yet, been given to the secondary question of how it is to be disposed of.

The object of my taking a power of attorney from Mr. Edison was to facilitate negotiations which I was endeavoring to make for him with a banking house, here, to whom he should be able to look, at all times, without the necessity of taking any trouble himself about his foreign affairs. I finally perfected an arrangement between him and Drexel, Morgan & Co, the terms of which are all agreed upon but which has not yet been signed.

[ENCLOSURE]

2

Mr. Edison has always stipulated that whenever Drexel, Morgan & Co take the matter up they shall put themselves in relation with you, and, so far as is possible, make use of your valuable services and secure to you a suitable participation in the profits. Nothing more definite has ever been said, and my idea has always been that that would be the subject of a negotiation between you and them upon fair business principles. They have agreed with Edison to advance certain requisite moneys and to use their best efforts and avail of all accessible means to sell the electric light for the best price and on the most favorable terms, - in short, to work the thing up to the best possible advantage, dividing the net product between themselves and Edison in a proportion agreed upon - In other words, they have made themselves partners with Mr Edison in this business, and that I consider is a great gain achieved for him. They wished at first to be purchasers, but I declined, on his behalf, and said that I would furnish them the best inventor who would undertake to make the best light, and he would be a worthy partner, in such a business, of the best banking house, whoever it might be, and would be entitled to require that they should have no interest separate from his own. Whatever participation you have will come equally from Edison and from them - in other words, it will be a charge upon the joint account.

I shall not see Edison for ten days at least and in the meantime I think it would be useful to your own interests and also to Edison & D. M & Co., if you would write me your views and say what you think ought to be allowed to you in view of service already rendered, and what further should be allowed in view of such services

as you are able to render to them. Of course, I am now talking very much in the dark but I can assure you, and I beg you to receive it with full credit, that after conversation with Drexel, Morgan & Co. upon this matter I feel entirely satisfied that they intend to meet you in a fair, and even liberal, spirit. They cannot, of course, at the present time foresee what will be their course in dealing with this business, nor be able to foresee how much or how little benefit, on the whole, is to be derived from anything which you have already done or which you may be in a situation hereafter to do. Of course they do not feel that necessity for help in England which they might feel if they were not very well represented there in their regular connections. If you will write me freely upon this subject I will lay everything you say, in a fair way, before them, and that will be the proper beginning or basis of the necessary communication between you and them.

I should not write now, unprepared as I am, except that any longer lapse of time without an answer to your letter would be somewhat less than courtesy.

Very truly yours

Col. G. E. Gouraud
Lombard St.
London

3

6.00 P.M.

May 28

A. L. Griffin Menlo Park N.J.

Shall not go to Washington; if E feels well enough to see the tomorrow I will go Court. The European business is in a mess and should be straightened as soon as possible. Telegraph in the morning. Showed you will my town address. It is thirty four West fifteenth Street

Yours P. Lowery

SOBN

planup.

TEG

1878. Electric Pen (D-78-022)

Correspondence, some by Edison; account, circular.

Not selected: duplicate copies of correspondence.

George Bliss

Geo. H. Bliss, Genl Mgr.

OFFICE OF THE ELECTRIC PEN AND DUPLICATING PRESS.

220 TO 232 KINZIE ST. Chicago, Jany 8. 1878

T. A. Edison Esq.
Menlo Park, N.J.

Dear Sir!

The Dominion awarded the following

This Diploma was presented by the Agricultural and Art association of Ontario to Mr Edison's Electric Pen and Duplicating Press at the Exhibition in London on Sept 14th to 19th 1877

Jas. W. Craig, Secy. Rainal E. Shipley, President.

This is rather crude but it has done much good in Canada. The Postmaster opposite the Depot shows it samples in his window at Toronto. We are gaining Recognition in Canada although the Product is not as rapid as could be wished. Respectfully

Geo. H. Bliss G. M.

Geo. H. Bliss, Genl Mgr.

OFFICE OF THE ELECTRIC PEN AND DUPLICATING PRESS.

220 TO 232 KINZIE ST. Chicago, Jan. 8 1878

T. A. Edison Esq

Dear Sir!

I send herewith the report of the Franklin Institute on the Pen. There are a number of errors in it but on the whole the report is valuable.

Respectfully

Geo. H. Bliss

G. M.

Geo. H. Bliss, Gen'l Mgr.

OFFICE OF THE ELECTRIC PEN AND DUPLICATING PRESS

220 to 232 Kinzie St.

Chicago, Jan. 8 1878

T. A. Edison Esq.

Menlo Park N.J.

Dear Sir:

The London Co. are making inquiry in regard to the Spanish patent and propose to form a party in interest who desire to buy it. Rastle has a good party on the thing who want to work Spain and with the ultimate view of buying the patent. Rastle has been all-engaging to work Spain and thinks to go there long since. When in N.Y. took a letter and read from him saying he would be there immediately. Unless he turns up in N.Y. immediately I shall write Rastle to go abroad. It is evident that owing to the number of Spanish speaking people a patent in Spain is of much more value than has been supposed. You ought to be able to get a patent there as good as the one in Germany and which will cover all the essential features of the latest outfit. With this the Rastle can be confident and you be correspondingly benefitted. If you will have the papers prepared and sent over soon I will try to have Rastle negotiate an agency on the basis of the party buying of the patent as a bonus. Instruct me so that he may know where to buy the money. This of course providing that you don't feel disposed to buy of it yourself and I suggest that Russia be placed on the same basis as Rastle above. Write me promptly about this as Rastle is holding parties in waiting.

Respectfully

Geo. H. Bliss

Gen. Man.

ELECTRIC PEN-DUPLICATING PRESS.
220 to 232 KINZIE ST.

CHICAGO Jany 26 1878

Dear Edison:

I send herewith check for $100.00 on foreign royalty account for which please send receipt. I have also had the Western Electric send you $700.00 to day on royalty account. Why dont you get me on the Telephone and Phonograph matters? I think you have made a big mistake on the Phonograph matter but hope am not altogether left out. My Company is going through every way on the Pen business along. The business seems looked for promising and you can hardly count on $10,000.00 in come from the Pen this year? Dont keep me in ignorance! I dont believe in that little maxim - "where ignorance is bliss tis folly to be wise"

How is money? Awfully tight. Hope out of mine but cant write today.

Yours

ASHBY STAGER, PRES'T.
EDW. M. BARTON, SEC'Y.

GEO. H. HESS, GEN'L AGENT.
EDWIN GRAY, ELECTRICIAN.

OFFICE OF

WESTERN ELECTRIC MANUFACTURING COMPANY,

220 Kinzie Street,

Chicago, Ill. Jan 26 1878

T. A. Edison Esq
Menlo Park N.J.

Herewith find

our check

for $200.00 ~~in settlement of your on royalty~~ ~~enclosed~~ account, which please receipt and return to us at your earliest convenience.

Yours Truly,

E. M. Barton
Sec'y.

Please credit on royalty book

Also credit Please 100 on account of royalty

Please receipt & return

ELECTRIC PEN-DUPLICATING PRESS.
220 TO 232 KINZIE ST.

CHICAGO Jany 28 1878

T. A. Edison Esq.
Menlo Park, N. J.

Dear Sir:

You will remember my showing you a letter from Chas. J. C. Rockster of Watchitacha, Pa. about a new Press & Pen printing. We now write that the Rand Rotary Press prints 750 per hour and he expects when the Press arrangement is perfected to run 1500 an hour. Mr. Engelman of Phila also writes that his press is a success and he is getting it into shape to be sold. We want me to come & see it on my next trip east. The Pa. man is going to send up his press for examination. I write this so you may be posted on the situation and see how necessary it is to get the Rotary Press on the market. What shape is it in?

Respectfully,
Geo. W. Abbott
Pent Mgr.

Chicago, FEB. 4, 1878

T. A. EDISON ESQ.
MENLO PARK, N. J.

DEAR SIR:

I SEND YOU BY MAIL A LETTER AND MODEL OF A NEW STYLE PEN WHICH HE EXPECTS TO CLEAN US OUT WITH.

IT DONT AMOUNT TO ANYTHING BUT IT IS WELL ENOUGH TO KNOW WHAT THERE IS GOING ON IN THE WORLD.

RESPECTFULLY,

Geo. H. Bliss

GEN. AMN.
=american

THE ABOVE REFERS TO A LETTER FROM LORENZO STOW OF ROME TENN.

[ENCLOSURE]

Rome Tenn Feb. 1 '78.

Dear Sir I take the liberty of sending by today's mail a small imperfect model of Perforating Pen.

You may remember that I wrote you last fall describing one. You advised me to correspond with Mr T. A. Edison. I did so and he replied that they had an application for a patent on the same device before the Patent Office at that time. that he had already patented it in Great Britain. I then went to work to make something cheaper and better and the result is what I know send you. a patent for which will soon be issued.

Motion is given to the needle by a square metall bar $\frac{5}{8}$ of an inch square. The desired velocity may be given to this bar by a small pulley turned by

[ENCLOSURE]

hand or by a treadle. If you feel any interest in this improvement you may have a bar of hard wood made of any offence with which to test it.

The pen is ~~so much~~ more easily when the bar is revolving rapidly. In this pen the operator sees the needle and is thus enabled to make better letters. The instrument should be about 8 inches long and 1½ wide. The bar is set upon a small flat brass upon which moves a slide.

This slide is furnished with springs for holding the paper in position. It has also a thick piece of cloth fastened to it.

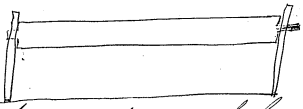
The object of the slide is to move the paper forward when the length of the pen has been written. The bar of course may be of any length desired. The small wire at the bottom is to hold the paper down and to steady the instrument.

The right for this pen will soon be for sale at a very low price and hoping you may be sufficiently well pleased with it to wish to buy it I am respectfully

Lorenzo Stow

B. 9.2.1
Nov 14
X

[ENCLOSURE]



The above is a drawing of bar for running needle each corner of which gives it one stroke. The pen is to be moved across the page under the bar. The operator may take hold of each end of the pen if he wishes. The model I send is not a good one

[ENCLOSURE]

Please do not destroy the
model until I write to you.

Geo. H. Bliss, Gen'l Man'r

ELECTRIC PEN & DUPLICATING PRESS

220 to 232 Kinzie St.

Chicago FEB. 9TH, 1878

T. A. EDISON ESQ.
MENLO PARK, N. J.
DEAR SIR:

YOUR NOTE OF THE 6TH AT HAND. LORENZO INTENDS TO HAVE AN ECCENTRIC ROLLER WITH TWO SUPPORTS WHICH IS PLACED ON THE TABLE AND TURNS BY A CRANK OR BY A TEADLE WITH BELT. THE PAPER IS PLACED UNDER THE ROLLER AND THE DEVICE SENT YOU IS THEN HELD BY HAND ON ONE EDGE WITH THE NEEDLE DOWN. WITH THE CLUMSY THING YOU WRITE AND THE ROLLER REVOLVING THE NEEDLE IS FORCED DOWN AND THE PERFORATIONS ARE MADE. THAT IS AS NEAR AS I CAN MAKE IT OUT.

YOU OUGHT TO MAKE OUT A BILL AGAINST GILLILAND FOR HIS SHARE OF THOSE PATENT EXPENSES AND HAVE HIM PAY UP.

I WILL ENDEAVOR TO HAVE THE WESTERN ELECTRIC SEND YOU A COUPLE HUNDRED DOLLARS RIGHT AWAY.

EVERYBODY IS ON TIP TOE EXPECTING THE PHONOGRAPH. I SHALL APPRECIATE BEING TAKEN CARE OF IN THE PHONOGRAPH DEAL.

I AM WAITING FOR THE ROTARY PRESS WITH MUCH ANXIETY.

RESPECTFULLY,

Geo. H. Bliss
GEN. MAN.

ASSOC. STAGER, PRES'T.
EDGS M. HARTON, SEC'Y.

GEO. H. BLISS, GEN'L AGENT.
ELISHA GRAY, ELECTRICIAN.

OFFICE OF

WESTERN ELECTRIC MANUFACTURING COMPANY,

220 Kinzie Street,

Chicago, Ill. Feb. 9 1878

T. A. Edison

Herewith find

our check

for $200.00 ~~in settlement of your~~ on ~~enclosed~~ account, which please receipt and return to us at your earliest convenience.

Yours Truly,

E. M. Barton
Sec'y.

Bailey

J C Blackwell

4 North Place East,
Sunderland.

Feb.y 11: 1878

Dear Sir,

I have duly received your favor of the 26th Ult.: the prospect of a perfect Press to print with great rapidity is encouraging - I shall be glad when one of the perfect machines reaches the office of the Electric Writing Co Limited in London where I can most conveniently see it.

With regard to the Patent for your Telephone Schmidt

2

begs if you would consider whether a fair and reasonable sum - say between one man who ~~obtain or claim~~ right and great and another - and then make me an offer leaving it open until say the 1st of next May.

Don't let any Agents or third parties in this instance come between you and me.

I observe you say "without the Phonograph" - cannot I see your way to make me an offer of the Telephone and of the Telephone including Phonograph - I want to

3

have your inventions and
to work them through the
Electric Writing Co Limited
whose business will I
expect grow rapidly
with success

Yours truly
J. R. Beckor

T. A. Edison Esq
Menlo Park
New Jersey
America

Geo. H. Bliss, Gen'l Man'r

OFFICE OF THE ELECTRIC PEN & DUPLICATING PRESS.

220 to 232 Kinzie St.

Chicago, Ills., 17 1878

T. A. Edison Esq.
Menlo Park. N. J.

Dear Sir:

Early in the fall I shipped a Pen to India. The gent. who ordered it now runs the only Railroad Paper in that Country. He had tried the pen and wants them for the agency in India, Ceylon & Central Burmah. He also talks about buying the patent for those countries. I want to ask him a term of the agency equal to the cost of patent. Please advise me what the expense will be for the patent and also what term you will accept for them outright.

Respectfully
Geo. H. Bliss
Gen'l Man.

Geo. H. Bliss, Gen'l Mgr.

OFFICE OF ELECTRIC PEN & DUPLICATING PRESS.

220 to 232 Kinzie St. Chicago FEB. 16TH, 1887 8

T. A. EDISON ESQ.
MENLO PARK, N.J.
DEAR SIR:

YOURS OF THE 12TH INST AT HAND. I AM GLAD TO HEAR THAT THE PHONOGRAPH IS SUCH A SUCCESS WITH THE POWER ATTACHMENT. I HOPE YOU WILL GIVE ME SOMETHING TO SHOW HERE NEXT THURSDAY BUT DON'T MUCH EXPECT IT TO BE IN TIME.

THE JAN. SALES APPARENTLY FELL OFF BADLY ON THE PEN BUT IN REALITY THEY DID NOT AS YOU CANNOT ALWAYS TELL FROM THE W. E. CO'S BILLS HOW ACTUAL TRANSACTIONS TO CUSTOMERS ARE RUNNING. IN SOME MONTHS ORDERS ARE PARTLY FILLED FROM STOCK PREVIOUSLY REC'D.

I THOUGHT IT WOULD BE A GOOD THING TO DISSIMULATE $200.00 WORTH AND SO INDUCED BARTON TO SEND THAT MUCH MONEY. DON'T THINK YOU ARE NOT TO HAVE ANY MORE IN FEB. BECAUSE I MEAN YOU SHALL.

MR. WHITE IS HERE AND IN CONNECTION WITH GRAY HAS ORDERED 1.000 GRAY MAGNETO TELEPHONES FOR THE FOREIGN TRADE SO YOU SEE THE FIELD IS TO BE WELL WORKED AND PUGKAS IS LIKELY TO HAVE HIS HANDS FULL . I GUESS HE IS GOOD FOR HIS END.

MC-KENZIE HAS GONE BACK ON ME SAYING HE CANNOT GET AWAY FROM HIS WASHINGTON ENGAGEMENTS AT PRESENT SO MY FUTURE ARRANGEMENTS IN N.Y. WILL HAVE TO WAIT TILL A FRESH PLAN IS FIXED UPON. DO NOT REMEMBER WHETHER HAVE WRITTEN YOU ABOUT THIS BEFORE OR NOT.WHAT ARE YOU GOING TO DO WITH THE AIRO-PHONE? THE W. E. MAN. CO. WOULD LIKE TO GET IT TO GO WITH A LINE OF GOODS FOR SHIP USE MOST OF WHICH ARE SIR WILLIAMS THOMPSON'S PRODUCTIONS.

Respectfully
Geo. H. Bliss Gen'l Mgr.

T. A. EDISON ESQ.
MENLO PARK, N.J.

DEAR SIR:

YOURS OF THE 13TH INST IS AT HAND.

$3.000.00 IS A REASONABLE PRICE FOR THE INDIA PATENT AND I WILL SEE WHAT CAN BE EFFECTED. HAVE WRITTEN SERRELL ABOUT COST OF PATENT.

GLAD TO HEAR THE ORDERS FOR PHONOGRAPHS ARE BEGINNING TO ROLL IN. CAN'T YOU GET THE W. E. MAN. CO. AN ORDER TO MANUFACTURE SOME OF THE HAND INSTRUMENTS?

IF YOU WILL HAVE MR. SERRELL MAKE OUT THE APPLICATION FOR THE SPANISH PATENT AND SEND THE PAPERS OVER TO THEIR CORRESPONDENTS IN PARIS SUBJECT TO BEETLE'S CONTROL HE WILL TRY TO MAKE THE SPANISH AGENCY PAY FOR THE PATENT OR FAILING IN THIS HE WILL ADVANCE THE MONEY TO GET THE PATENT WHICH I WILL DEDUCT FROM YOUR ROYALTY ON FOREIGN SALES IF SATISFACTORY. IF THE PATENT IS PROCURED IT OUGHT TO COVER AS MUCH AS POSSIBLE AND IT WOULD UNDOUBTEDLY BE BOTCHED UNLESS DONE THROUGH MR. SERRELL.

PLEASE ADVISE ME WHAT YOU WILL DO.

RESPECTFULLY,

Geo. H. Bliss

GEN. MAN.

[ENCLOSURE]

CHICAGO ELECTRICAL SOCIETY.

NOTICE.

The Twenty-first regular meeting of the Chicago Electrical Society will be held in the Rooms of the Chicago Academy of Sciences, No. 263 Wabash Avenue,

Thursday Eve. Feb. 21st 1878.

PROGRAMME.

1. Transaction of ordinary business.
2. The Physical Constitution of the Sun, — Prof. G. W. Hough.
3. The Electric Pen, — Geo. H. Bliss.

WILL MY PHONO. BE HERE IN TIME FOR THIS?

Members are requested to bring interested friends, and any persons desirous of uniting with the Society are especially invited to be present.

C. W. Jones, Sec'y.

Chicago, FEB. 20TH, 1888 8

T. A. EDISON ESQ.
MENLO PARK, N. J.
DEAR SIR:

YOUR NOTE OF 17TH INST IS AT HAND.

SHALL GET ALONG WITHOUT THE PHONOGRAPH AND THINK WILL BE ABLE TO SAY QUITE ENOUGH ABOUT EDISON AND THE ELECTRIC PEN FOR ONE EVENING.

IF THINGS MOVE ALONG AT THE PRESENT RATE YOUR FAME WILL SOON EQUAL ALL THAT THE MOST AMBITIOUS MAN COULD CRAVE.

RESPECTFULLY,

Geo. H. Bliss

GEN. MAN.

Geo. H. Bliss, Gen'l Man'r

ELECTRIC PEN & DUPLICATING PRESS.

220 to 232 Kinzie St.

Chicago FEB. 20TH 1888

T. A. EDISON ESQ.
MENLO PARK, N. J.

DEAR SIR:

ENGELMANN WRITES THAT HE HAS HIS PRESS IN OPERATION AND THAT IT IS DOING SATISFACTORY WORK.

MEANWHILE I AM WITHOUT A FAST PRESS AND NO INFORMATION AT HAND WHEN I SHALL BE IN SHAPE TO OFFER ONE.

HOW DOES THE ROTARY PRESS COME ON AND WHAT CAN I EXPECT OR PROMISE.

RESPECTFULLY,

Geo. H. Bliss

GEN. MAN.

ARNOLD SCHIFF
ENDICOTT JOHNSON

Office of

GEORGE H. GUEST
STEPHEN HARRY

Western Electric Manufacturing Co.

[illegible] Chicago

FEBRUARY 23, 1878

T.A.EDISON ESQ.

MENLO PARK

N.J.

DEAR SIR:---

THE SECOND PAYMENT ON THE ELECTRIC PEN TOOLS, AMOUNTING TO $500, BEING DUE, I HAVE LOOKED AT THE CONTRACT TO SEE TO WHOM IT SHOULD BE PAID.

I JUDGE THAT IT WAS THE INTENTION THAT THIS BE PAID IN THE SAME PROPORTION AS THE ROYALTY MONEY, SEVEN-TENTHS TO YOU AND THREE-TENTHS TO MR.GILLILAND.

PLEASE ADVISE US WHETHER THIS IS CORRECT.

YOURS TRULY,

Enos M. Barton,

SEC'Y

W E
Rec'd

Sunderland.
February 27 1878

T A Edison Esq
Dear Sir

I am sorry to find that there has been apparently some neglect in sending forward from Chicago a number of rollers — the want of them has caused considerable inconvenience. I mention this to you so that you may cause the matter to be enquired into.

I shall be glad to have your ideas respecting the telephone and the phonograph.

I think we might work them along with the business of the Electric Writing Co Ltd with advantage and before entering upon larger premises in London I should like to see what can be done with your other inventions

Yours faithfully
C. R. Weston

File
Foreign Electrical Rec

Chicago, March 12th, 1878

T. A. EDISON ESQ.
MENLO PARK, N.J.
DEAR SIR:

CHAS. J. C. PUCKETTE WRITES ME FROM NATCHITOCHES LA. THAT HIS FAST PRESS IS COMPLETE AND WORKS WELL. HE SAYS IT IS AS SIMPLE AS THE PRESS NOW USED AND THAT THE MOST INEXPERIENCED PERSON CAN PRODUCE WITH THE UTMOST EASE 600 IMPRESSIONS PER HOUR. HE ALSO HAS DEVISED AN ELECTRIC PENCIL WHICH WEIGHS LESS THAN AN OUNCE AND RUNS WITH A VERY CHEAP AND INEXPENSIVE BATTERY. HE SENDS SAMPLES OF WORK DONE BY THE PENCIL AND HIS PRESS WHICH ARE GOOD. HE IS ON THE WAY NORTH. I SHALL TRY TO HAVE HIM COME TO NEW YORK. I EXPECT TO LEAVE TOMORROW FOR THE EAST. PUCKETTE HAS HIS APPLICATIONS IN THE PATENT OFFICE AND I WRITE THIS SO YOU MAY BE PREPARED FOR HIM.

RESPECTFULLY,

Geo. H. Bliss

GEN. MAN.

MARCH 13TH, 1878

T. A. EDISON ESQ.
MENLO PARK, N. J.
DEAR SIR:

I SHALL LEAVE FOR NEW YORK TOMORROW AFTERNOON AT 5.15.

MAY STOP OVER ONE TRAIN AT ALBANY.

SHALL SEE YOU SOON AFTER I ARRIVE.

NOTHING SPECIALLY NEW. THE WESTERN ELECTRIC ARE VERY BUSY ON TELEPHONE WORK AND ARE HIRING SEVERAL NEW MEN AND PUTTING IN NEW MACHINERY.

HAD LETTER FROM ADAMS SAYING HE WAS GOING TO ENGLAND ON TELEPHONE BUSINESS. HOPE YOU HAVE MADE A STRIKE THERE IN THAT DIRECTION?

RESPECTFULLY,

Geo. H. Gess

GEN. MAN.

Park Place,
Sunderland.

March 30th 1878

Dear Sir,

I have your favour of the 15th inst.

I have caused enquiry to be made in London for Mr Puskas, he has not called at the office of the Electric Writing Co Limited. I shall be glad if he will do so as we should like to know all about your Telephone and Phonograph perhaps we may be able to do something with them.

I am very anxious about the Rotary press and trust it may soon be all right.

Yours faithfully
E. R. Breaton

T. A. Edison Esq
Menlo Park
New York.
U.S.A.

E R Breaton

file foreign
Gladstone

E NY 3/28/78

He called in at Pen off
Said he could do wonders
"Chromatic Process" - Could repeat
over & over by his process - & was
Not wiped out by one reproduction
& much more of like character.
I left word at Pen off for
him to come see me —
Map took the wind out of
him by telling him yours
repeated 2000 times each time
becoming plainer &c - He went
away with his tail down

Yours

EMJ

Geo. H. Ellis, Genl Mgr.

OFFICE OF THE ELECTRIC PEN & DUPLICATING PRESS

220 to 232 Kinzie St. Chicago Aug 13th 1872

T. A. Edison Esq.
Menlo Park, N. J.

Dear Sir:

I should like to have a copy of the contract which you made with Preston when the patent was sold to him & Mr. Wilson.

If not done heretofore I recommend you to put a stipulation in such sales and contracts hereafter prohibiting the sale of goods to any country where patents are obtainable. This precaution would prevent protection till it was worth while to obtain patents.

I want you to write Mr. Preston and the Electric Writing Co. in London protesting against their selling pens & establishing agencies in such countries as India and Spain.

In Spain they are making Wells a great deal of trouble having infringed the trades which he had worked up. In India, the Elder of the Indian Railway Co. wants to know what Geo.

Geo. H. Ellis, Genl Mgr.

OFFICE OF THE ELECTRIC PEN & DUPLICATING PRESS

220 to 232 Kinzie St. Chicago 1872

Wells in his case made his money in India when the English Co. had established an agency.

They have done the same thing in Australia.

I am protesting against this state of things and want your help if any can be given.

If not I am going to put the pen at a price in these countries which will make competition hot.

Don't delay answering this.

Respectfully

Geo. H. Ellis

Genl Mgr.

T. A. EDISON ESQ.
MENLO PARK, N.J.

DEAR SIR:

THERE IS GRIEF IN STORE FOR SOME ONE.

THE GRIEST MAN. CO. OF THIS CITY ARE BRINGING OUT THE " GRIEST IMPROVED WRITING MACHINE " AND DUPLICATING PRESS.

THE WRITING MACHINE IS RUN WITH A TREADLE. IT IS PLACED AT ONE END OF A TABLE. THE BELT RUNS UP TO A FIXTURE ON THE EDGE OF THE TABLE. THERE THE MOTION IS TRANSFERRED TO AN ARM HAVING TWO JOINTS. AT EACH JOINT ARE WHEELS AROUND WHICH FINE CORDS RUN TO CARRY THE POWER. AT THE END OF THE ARM THE MOTION IS TRANSFERRED TO A NEEDLE WORKING UP AND DOWN LIKE THE ELECTRIC PEN. ATTACHED TO THE SIDE OF THE TUBE IS A HANDLE WHICH IS HELD IN THE HAND WHEN WRITING AND IS CAPABLE OF TAKING ALMOST ANY POSITION.

THE APPARATUS WORKS FREELY . IT SEEMS TO RUN EVENLY WITH LITTE PRACTICE.

THE PRESS IS NOT OUT YET BUT THOSE WHO HAVE SEEN IT SAY THE PRESS IS TO BE VERY FAST.

FOR THE LIFE OF ME I CAN'T SEE WHY THIS ARRANGEMENT IS NOT A DIRECT INFRINGEMENT ON THE PEN AND YET THEY CLAIM TO HAVE A PATENT.

THE WRITING HANDLE SEEMS TO INFRINGE WOODBURY?

WHAT DO YOU KNOW ABOUT THIS THING AND HOW DOES IT STAND AS REGARDS INFRINGEMENT AND PATENT.

1878

THEY INTEND TO PUT THE THING ON THE MARKET AT $20.00 AND $25.00.

IT IS EVIDENT THERE IS A FIGHT ON HAND AND THE WORST IS I DO NOT THINK THE PARTIES ARE WORTH ~~[illegible]~~ BUT THEY CAN DO AN IMMENSE AMOUNT OF MISCHIEF.

IF YOU CAN CONTROL THE ATTACHMENT USED BY WOODBURY AND THIS GRIEST PARTY IT SEEMS TO ME YOU OUGHT TO SECURE IT REGARDLESS OF WHO IT HITS..

INSTRUCT

PLEASE ME IN THIS WHOLE MATTER AS I CAN'T AFFORD TO LET THESE PEOPLE GO AHEAD WITHOUT OPENING A FIGHT ON THEM.

IT MUST BE MADE LIVELY FOR THEM FROM THE START.

I DON'T THINK YOU APRECIATE THE IMPORTANCE TO ME OF THE FAST PRESS .

WITH THAT IN HAND I CAN WARM THE WHOLE CROWD AND I AM OBLIGED TO PRESS THE MATTER TILL YOU GIVE IT TO ME OR SAY THE THING CAN'T BE DONE!

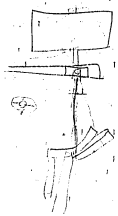
DON'T KEEP ME IN SUSPENSE IN THIS MATTER.

RESPECTFULLY,

Geo. H. Stiles

GEN. MAN.

Chicago April 15-78
Plico



Geo. H. Brass, Genl Mgr.

OFFICE OF ELECTRIC PEN & DUPLICATING PRESS

220 to 232 Kinzie St, Chicago Oct 7th 1878

T. A. Edison Esq.
Menlo Park N. J.

Dear Sir:

I am delighted to hear that the German Pen patent is granted. It will give Beetle a decided boost. I have sent to Wikeler to return those four pens or send detailed statement of defects.

We have changed the fly-wheel bearing from the male to female plan on account of the great breakage. Parties sent in pens from all over the country to have fly wheels fitted broken from slight accident. I think the average work will be better as we can send broken sensors more easily & at less cost.

Hope this will not disturb you. Am sorry to have any trouble with new lot of pens. I am doing my best to nail them all.

Respectfully Geo H Brass
Genl Mgr

GEO. H. FRASER, Lord Mayor.

OFFICE OF "ELECTRIC PEN" DUPLICATING PRESS

220 to 232 KINZIE ST. Chicago APRL 16TH 1878

T. A. EDISON ESQ.
MENLO PARK, N.J.

DEAR SIR:

HERE WE ARE AGAIN, ANOTHER PARTY HAS TURNED UP WITH A PNEUMATIC PEN AND HAS APPLIED FOR A PATENT. I INCLOSE DIAGRAM OF THE THING OR ENOUGH TO GIVE AN IDEA. IT CAN BE MADE FOR NOTHING AND SOLD FOR LESS SO THE PARTIES CLAIM. WHEN WILL IT END?

RESPECTFULLY,

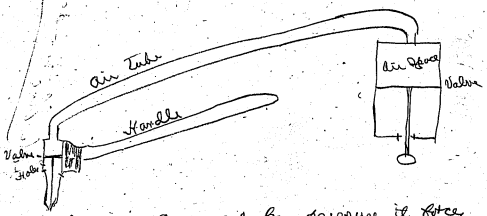
GEN. MAN.

Write to my

G H B

Pray can I do anything on pneumatic pen?

Edison



When the air in space is compressed by pressure it forces needle down - When withdrawn air rushes through holes under valve in pen & raises needle - Air space controlled by eccentric with clock work or crank - Whole thing extremely light & inexpensive. What are its chances to work & for a patent?

Geo. H. Hess, Gen'l Mgr.

OFFICE OF "ELECTRIC PEN" & DUPLICATING PRESS

220 to 232 Kinzie St. Chicago, April 19 1878

T. A. Edison Esq.
Menlo Park, N. J.

Dear Sir!

They now charge compensation from the Telephone Co.

He spends most of his time in the country, also Edison!

He came in a day or two ago and remarked that "I did not need to go down to Menlo Park to find material for a news-paper article"

It makes all the difference in the world how a fellow feels about that.

Have often I am going to make heavy discounts on Pen goods for exportation to countries where there are no patents.

I have instructed Beetle to sell Pens in Europe at some price and then to meet get the business

Geo. H. Ellis, Genl Mgr.

OFFICE OF ELECTRIC PEN & DUPLICATING PENS

220 to 232 Kinzie St. Chicago 18/8

under full headway. Have written out
delay. If he does not do it I
shall go on in the summer &
make a fresh deal. I am expecting
a full statement from Beckle &
by April 1st every day & will
make a report of what has been
done & royalty due. Beckle is
very hopeful for this year.

I am glad Pardee is likely to
do so well. My outlay during
the past year had been so heavy
that a lift from him would be
an immense benefit to me.

I know that your telephone will
scoop the field in the face of any
thing Bell or Gray have yet devised
if it is allowed to be light
in actual use.

There are so many attempts at imi-
tation of the Pen I am becoming di-

OFFICE OF
ELECTRIC PEN & DUPLICATING PRESS.
Geo. H. Bliss, Genl Mgr.
220 to 232 Kinzie St. Chicago 1878

quite and in order to keep it on going to make sales at heavy discounts. Shall maintain the nominal retail price but the man who has the cash to pay for an outfit at an advance can get one.

Am going to make an economical management & hell all that can be crowded out.

I should be glad if you could arrange the royalty on an outfit in Canada the same as in other foreign countries. The cost of duty there is not enough to materially affect results. I want to learn the market over there. The import duty is quite an item.

Intended to go down to N.Y. this week but my Children have been

(over)

127 8

Dick.

Think I shall get away for first days only, first of the week

Cordially

Geo. H. Bliss

G. M.

Gunnell & Pleasance

PARK PLACE
SUNDERLAND.

April 20: 1878

Dear Sir, The Western Co are causing trouble by not sending pens forward with reasonable dispatch - for instance an order was sent to Chicago from the office in London on Jan: 11: 1878 for 50 pens. The invoice arrived in London Apl. 12 at the foot of which [illegible] as written "Will send same of Line and Steamer in a few days" - the invoice is dated March 28: 1878 Up to the 17th instant no other things of these pens had been received. The ought not

2

to be subjected to a delay like this - nearly 4 months - it causes no injury and loss: will you kindly see that it is avoided in future.

I hope soon to hear from you that the quick rotary press is perfected - it will help us to make more rapid progress with sales of the pens.

Yours faithfully
J. R. Breeden

T. A. Edison Esq

We have not yet seen your agent in London - Mr. Purser -

No—17 Beating Shop N.Y.
April 26. 1878

Thos. A. Edison Esq.
Menlo Park N.J.

Dear Sir your letter came to hand in my absence or it would have been answered ere this
We have all the Presses we need for present use
if we should want hereafter will write you

Yours Truly
A. Hawkins
Supt

ELECTRO-MEDICAL DEPARTMENT
WESTERN ELECTRIC MANUFACTURING CO.
220 to 232 KINZIE STREET.
CHICAGO, Ill.

Philadelphia Office.
NO. 628 CHESTNUT ST.

Philadelphia, May 7 1878

T. A. Edison Esq.
Menlo Park N.J.

Dear Sir,

I met Roosevelt & Cheever about the Phonograph. They took talk favorably — the Bell people want me to take part of their 3rd floor & the Pen. I did a little skirmishing on the question but did not commit myself. I offered $2500 a year for that place on Broadway after asking Sewell's advice. Next door to the Chemical National Bank & not a bad place. The old gent who

Certainly, it is in the next door room. The promise to telegraph me to day or tomorrow at Washington. Will you could go in there and give me a break with them incidentally. I want to know it when stood that you take a deal then on condition that you in return are exclusive there exclusively. You will see the point. I send you Phila paper which has in copy of Gaughin article.

Respectfully
Geo. H. Bliss EM

I want you to go in about 1 to counter and any autogenetic influence which may exert itself.

Shall be in Washin tomorrow

Paris May 28th 1879

Thos A. Edison Esq
Menlo Park - N.J.

My Dear Sir

I do not know when I have been annoyed over a little matter as much as I was this morning over a little slip of paper I found in the Societe letter that you so kindly forwarded me.

I plead guilty without one extenuating circumstance in my favor.

I have hustled to hustle to send you the French papers and I presume that Re has relied upon me to do the same thing, between the two you have probably been neglected. I will give the matter better attention hereafter.

You have sent me a good many papers and I have tried to place them "where they would do the most good."

I hope you will continue the labor of love, even if you have had no reward.

What about that new press? I wish we had one.

Our opposition is something to be fought down and that press would be a regular "Baltin" gun.

Please remember me kindly to Mr Bachelor Mr Johnson and believe me

Yours truly
Geo L. Beette

LAW OFFICE OF

W. L. NORTON,

SECOND NATIONAL BANK BLOCK,

Watkins, N. Y. May 31st 1878

Thomas A. Edison

Dear Sir:

I have received from Geo. H. Bliss of Chicago a circular &c relating to "Edison's Electric Pen & Press," which I presume to be one of your many inventions, and therefore I take the liberty of imposing upon your time long enough to ask if you have ever experimented to ascertain if a similar contrivance can not be made to work run by a spring power. It has seemed to me that a clock-work moved by a spring could be made of sufficient power to do the work. Perhaps it would need to be somewhat heavier than the gearing on the head of the "Electric Pen"; but that would be a trivial objection in view of the much greater simplicity and cheapness of a spring movement. Even if the

Writer had to stop and wind up his machine every five minutes, still I think thousands would purchase a simple and inexpensive instrument like that where only two will buy the "Electric Pen".

I am pleased with the "Electric Pen" as described in said circular, and the accompanying specimens; but I should need to use it so seldom that the battery would be almost sure to be out of order every time it was needed. But I would invest in such a one as I have in my "mind's eye" if I could get it at reasonable cost.

I have no time nor convenience for experimenting upon my idea; but if there is anything new in it, you are welcome to it and all you can make out of it. I should be glad to receive word from you as to whether that field has been already explored.

Yours very truly

W. L. Norton

Wm L Norton
Aug 3/95

Wm Norton Aug 31/95

New York June 10th 1878

Thomas Edison Esq.
Menlo Park N.J.

Dear Sir

I find the Electric Pen as its called, with a very little alteration, makes a very efficient Medical Instrument. And can be used in place of the Hypodermic Syringe in the treatment, and absorbent of Medicines.

Can this be claimed as a special use, and held by right of patent.

Yours Respectfully
W. Moller
46 Dey Street
New York City

P
1878 22. Jun.

6, Lombard Street, E.C.
London 22 June 1878.

Gurand & Edison

Electric pen press.

Forward me one of the new pattern, of which I saw a sample at your laboratory, at the earliest moment practicable.

G&E

Geo. H. Bliss, Cor. Manr.

OFFICE OF THE ELECTRIC PEN & DUPLICATING PRESS.

220 to 232 Kinzie St. Chicago, June 29th 1878.

Thos. A. Edison Esq.
Menlo Park. N.J.

Dear Sir:

I find it is going to be impossible for me to get away this summer to go to Lake Superior. Holland has been down here and waited on account of the large amount of money which we have invested in the Pen business that all my time shall be given to it. I think his judgment is sound on this and Rosa the Western Electric, Phonograph, Bell telephone etc must take a back seat in my consideration. Bell's profit has at last come to hand & his expenses are averaging $900.00 per month - His total sales for 12 months are 12 v dollars. We dont want any more of that & have ordered him out of Europe. The business is to be put in the hands of the local agents in the different countries and we

Geo. H. Bliss, Cor. Manr.

OFFICE OF THE ELECTRIC PEN & DUPLICATING PRESS.

220 to 232 Kinzie St. Chicago, 1878.

are going to send over a cheap man & visit them and check up their returns quarterly. I hope you will approve this move. I am going to stick to this pen business and make it a first class success or "burst". Dont you think me but with that rotary fever?

Respectfully
Geo. H. Bliss
Genl Mgr.

4 Park Place East,
Sunderland.

July 4th 1878.

T. A. Edison Esq.

Dear Sir,

I enclose copy of the Western Electric Co's note of the 19th ultimo & the Electric Writing Co London. I shall feel obliged if you will give them instructions & send the "2 Red pens + 2 Wooding Holders" to the Office in London as soon as possible

There is nothing up to as I know to prevent matters being done - of course the Coy in London will pay a fair & reasonable price for them.

Yours faithfully

C. Brereton

Charles Brereton, Esq.
Fitzroy
Road Barnsbury

[ENCLOSURE]

Copy

Henrie Street
Chicago
June 19th 78

To
The E. Mfg Co. Ltd
London

Dear Sirs,

When we wrote you on the 3rd of this month, in reply to yours of May 20th inclosing order No 147, for two reed pens and two Woodbury holders, we knew of no reason why we should not make up the pens at once and forward them to you.

Before shipping them however, we learned that according to the understanding between Mr Edison and Mr Brechon we are not now at liberty to fill your order for these pens, and after some correspondence and delay we are obliged to write you and wait for instructions.

Please communicate with Mr Brechon on the subject, and when he and Mr Edison have completed their arrangements regarding the reed pens & Woodbury holders

[ENCLOSURE]

have the order forwarded to us & we will fill it as promptly as possible.

The affair places us in an unpleasant position, and causes a great delay in getting the pens to you, which we sincerely regret.

Yours etc

(Sgd) E.M. Barton

JULY 13TH. 1878

THOS. A. EDISON ESQ.
MENLO PARK, N. J.

DEAR SIR:

THE GRIEST MANFG. CO. ABOUT WHICH I WROTE YOU SOME TIME AGO ARE MAKING A TREADLE PEN AND SELLING IT WITH YOUR PRESS AT $25.00 AND EVEN $20.00.

THE APPARATUS DOES FAIR WORK AND IS ATTRACTING A GOOD DEAL OF ATTENTION.

SIMETHING WILL HAVE TO BE DONE IMMEDIATELY TO SHUT THEM UP.

THEIR APPARATUS IS A PLAIN INFRINGEMENT.

THE COMMERCIAL REPORTS REPRESENT THE GRIEST CO. AS WEAK AND I DO NOT THINK THEY WILL BE ABLE TO GIVE A BOND WHICH MR. SERRELL THINKS THE COURT WILL COMPEL THEM TO DO.

THE DEFENSE OF THE PATENT PROPERLY BELONGS TO YOU. SHALL I GO AHEAD EMPLOYING SUCH LEGAL TALENT AS MR. SERRELL RECOMMENDS AND CHARGE THE EXPENSE UP YO YOU ON ROYALTY ACCOUNT?

THERE ARE SOME HALF DOZEN PARTIES IN THE FIELD WHO THINK THE PEN BUSINESS IS THE MOST PROFITABLE IN THE WORLD BUT HOLLAND AND I KNOW BETTER TO THE TUNE OF $12.000.00.

HOWEVER, WE EXPECT TO SUCCEED PERMANENTLY IF YOU WILL HELP THE PATENT FIGHT THROUGH IN GOOD SHAPE.

WE WANT TO MAKE ONE EXAMPLE AND HERE SEEMS TO BE A GOOD OPPORTUNITY.

RESPECTFULLY,

Geo. H. Bliss

GEN. MAN

PLEASE ANSWER SOON
AS THIS IS REC'D

Paris July 18th 1878.

Th. A. Edison Esq.
Menlo Park.

Dear Sir.

Mr Adams informs us that he has mentioned to you in his last letter that he had two responsible parties who were willing to undertake the electric lam business in Europe on a mutual paying basis.

Thinking that the matter could best and soonest be settled by a direct application and communication with you, we hereby take the liberty of forwarding you under conditions as herein above as a basis for an eventual contract.

We propose then:

1st to take exclusive charge of the whole electric lam business in Europe (England excepted)

2d to deposit as a royalty guaranty

with Mess. Morel Stages & Co., bankers at Paris and Philadelphia. the royalty on 50 pens outfits per month.

1st to make the royalty of 4 per outfit

2d to increase our guaranty to 75 outfits after the lapse of 6 months.

3d whenever a month's sales have reached or exceeded the number of 100 outfits the royalty due for that month shall only be $3 per outfit.

4th the immediate recall of the present agent Mr Bickle - and in such a way that the business will suffer No delay or interruption causing us difficulties in starting it again and afterwards in selling the patents

We shall sent sufficient money into the Business to establish agencies throughout Europe and will spare no efforts in our mutual interest to work it to the best possible mutual advantage and also to secure good sales for the patents - for which we beg you kindly to give us your prices.

Mr. Heron has been in the business ever since it was started here in Europe, he is thoroughly familiar with the instrument and knows how business has been transacted and what changes are necessary to insure success better than anyone else. -

We are both foreigners and will have a great deal of support in our respective countries besides having the facility of being able to treat with 6 different nationalities in their own languages.

We propose to make a contract for 5 years, renewable for a longer period if the patents should still be issued at the expiration of our first contract.

If these conditions should meet with your approbation, you would greatly oblige us by cabling your assent directly to Mr Adams and let a power of attorney follow by mail in order that we may be able to make the necessary preparations to fulfill our part of the contract

at once – if – on the contrary you should not feel inclined or able to entertain our propositions we beg you to regard the present as entirely confidential and private.

Hoping to hear from you at your earliest convenience we remain, dear Sir, yours very truly

F. Rothe O. J. King

JULY 26TH, 1872

T. A. EDISON ESQ.
RAWLINGS, W. T.

DEAR SIR:

SINCE YOU WAS HERE I HAVE HAD CONSIDERABLE CORRESPONDENCE WITH THE GRIEST PARTY WHO ARE MAKING THE GRIEST WRITING MACHINE WHICH RUNS WITH THE TREADLE, PULLEYS, JOINTED ARM &C.

THIS AM I HAD AN INTERVIEW WITH GRIEST. HE DENIES THE VALIDITY OF THE STRONG CLAINS IN YOUR PATENT.

THE CONCERN IS WEAK FINANCIALLY AND I BELIEVE GRIEST IS A PATENT PIRATE.

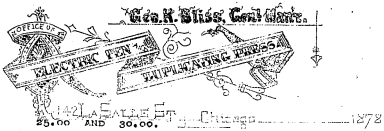
MR. SERRELL REFERRED ME TO A PATENT LAWYER WHOM HE KNEW. I HAV [illegible] & [illegible], TO DAY AND THEY ARE WILLING TO TAKE YOUR CASE. WITHOUT KNOWING THE MERITS OF THE CASE THEY SAY A PRELIMINARY INJUNCTION OR A GOOD BOND CAN UNDOUBTEDLY BE OBTAINED IF THE FACTS ARE AS MR. SERRELL THINKS.

GRIEST SAYS HE SHALL SHOW A MACHINE USED 6 OR 7 YEARS AGO AND THAT A SEMI FLUID INK WAS USED BUT I BELIEVE THIS ONLY APPLIES TO PATTERN WORK AND IS OF A DIFFERENT CHARACTER FROM THE ELECTRIC PEN.

WEST & BOND WANT TO GET THE CASE READY FOR YOU TO SIGN THE PAPERS ON YOUR RETURN FROM THE WEST AND I HOPE YOU WILL CERTAINLY PLAN TO STOP HERE TO GET THIS MOVEMENT WELL UNDER WAY.

VERY LITTLE CAN BE DONE TILL FALL AS THE JUDGE WHO WILL CONSIDER THE CASE WILL BE ABSENT FOR THE NEXT FEW WEEKS.

GRIEST IS OFFERING HIS MACHINES AT 20.00



25.00 AND 30.00.

YOU CAN EASILY SEE THE DEMORALIZING EFFECT UPON THE ELECTRIC PEN TRADE. I AM GOING TO MAKE IT RED HOT FOR HIM THIS IS SUBSTANTIALLY YOUR FIGHT AND I WANT YOU TO HELP ME .

I MEAN TO LIVE TO SEE THIS PEN BUSINESS A BIG HONOR TO YOU AND A SOURCE OF PROFIT.

I WISH YOU WOULD AGREE TO REBATE YOUR ROYALTY ON PENS TRADED FOR ADVERTISEMENTS. YOUR NAME ALWAYS APPEARS IN THE ADVERTISEMENTS AND THEY GO IN PAPERS ALL OVER THIS COUNTRY. A LIST OF THE PENS SO DISPOSED OF AND A COPY OF THE PAPERS CAN BE SENT TO YOU EVERY MONTH. THERE WOULD BE ONLY COMPARATIVELY A FEW . IT WOULD BE A GREAT HELP TO ME AND I BELIEVE INCREASE THE SALE OF PENS. THE WESTERN ELECTRIC WILL WAIVE THEIR PART OF THE PROFIT FOR BEING NOTICED AS MANUFACTURERS AND SO WE WILL ALL BE BENEFITTED ALIKE BY THE SALES RESULTING.

THE TRIBUNE OF LAST SATURDAY PUBLISHED YOUR LAST REPLY TO HUGHES IN FULL WITH THE EXTRACT FROM THE LONDON PAPER---POSSIBLY YOU SAW IT.

THE GRAPHIC'S NOTICE ON FIRST PAGE ON 19TH WAS SPLENDID. THE MENLO PEOPLE SENT ME A COPY FOR WHICH AM OBLIGED.

CAN'T YOU DROP ME A LINE AND KEEP ME ADVISED OF YOUR MOVEMENTS.

PLEASE INSTRUCT MR. SERRELL TO SEND ME EVERYTHING WHICH WILL HELP THE FIGHT WITH GRIEST.

RESPECTFULLY, Geo. H. Bliss
Eng. Mgr.

Paris July 27th 78

Thos A. Edison Esq
Menlo Park N.J.

My Dear Sir

Excuse my troubling you again relative to the Automatic Pens. Have you by just when you will be able to ship me one?

The "Correspondence Universal" of this City are very anxious to purchase a number of Pens & battery but they are afraid that they cannot get off their Correspondence in time if obliged to use our ordinary pens. They correspond with 1,500 persons & the work must be done within one hour, 3 to 4 PM, daily.

We have agreed to try it on with our present facilities for a few days but I am not sanguine of success.

The beauty of the thing is also lost in the battery pens & have we to deliver them with our pens we might as well be without them & the Electric Pen business.

They informed me the Automatic Pens used here during 5th the Exposition in Quantity.

Mr Spaine is coming to Paris with the Telephones.

Wishing you prosperity as usual.

Yours very truly
Chas. Mott

Mr T. A. Edison

London & the best of my address

to see him before the "Strike" particularly as he could not-
see his way clear to visit Paris. I trust you have
Recuperated your exhausted system by your recent
trip to the Mountains & are now in the enjoyment of
good health.

Remember me kindly to Mr
Bachelor, to Mr & accept my respects
for yourself.

Very truly yours

Geo H. Bliss

Geo. H. Bliss, Gen'l Agt.

OFFICE OF ELECTRIC PEN & DUPLICATING PRESS.

142 LaSalle St. Chicago 1878

JULY 29TH

T. A. EDISON ESQ.
RAWLINGS, W. T.
DEAR SIR:

IF YOU GO TO SAN FRANCISCO PLEASE CALL ON E. A. DAKIN NO. 209 SANSOME ST. HE IS THE NEW AGENT FOR THE ELECTRIC PEN AND HAS ORDERED 33 IN THE LAST THREE MONTHS. THAT IS MORE PENS THAN WERE EVER SOLD ON THAT COAST BEFORE AND HE IS THE ONLY DECENT AGENT THAT HAS EVER REPRESENTED THE PEN THERE.

HE DESERVES A LITTLE ENCOURAGEMENT FROM YOU.

RESPECTFULLY,

Geo. H. Bliss

GEN. MAN.

T. A. EDISON.

Menlo Park, N. J., Aug 12 1878

Cable
No 1

Edison Menlo Park New Jersey

On what royalty would you give me agency for Europe will advance liberal royalties on two hundred pens

Purkar

22 pairs

T. A. EDISON. No 1

Menlo Park, N. J., Aug 12 1878

T. A. Edison
Rawlins Wy

Puskas asks by Cable what royalty will you give him for pen agency for Europe He advancing immediately royalties on two hundred pens

S. L. Griffin

23 St
6

1.05 Aug 9

T. A. EDISON.

Menlo Park, N. J., [redacted] 187

T. A. Edison Rawlins Wy

Bliss wrote ~~Batte~~ cable from Batte says Puskas in financial trouble dangerous

Batchelor.

11 Am.

Mx + G

NB

William C. Cole,
Real Estate,
Commercial Broker.
City & County Properties
Room 9
170 Dearborn St.

Chicago Aug 27th 1878

Mr. Thomas A. Edison
Menlo Park N.J.

Dear Sir — I have known G. H. Bliss Esq — for some years —. When he thought of forming a Stock Co — for Sale &c of Electric Pen my name was used in connection with the preliminary, embryotic inchoate Presidency of that proposed Corporation — and it is possible may have been mentioned to you —. My own business has kept me employed, and the Phonograph and your other inventions have kept Mr Bliss employed so that the Co — may yet be in the happy state where the genius of Prof. Bigsby placed it — What I begun this letter to say to you, after I had introduced myself —

(You will consider the above an introduction) was this — While frequently with Mr. Bliss it one day occurred to me that a wheel of needle points might be made so small, and might be so adjusted at the end of a pen that its rec-

olutions in sorting would perforate paper and thus make a stencil of a apparently continuous lines, and that such a stencil would answer the purpose of securing multiplication of copies, as the by such an instrument no approach to the beauty of work done by the electric pen could be made. That is about all there is of it. My inventive genius is so small that I never knew I had any till this idea suggested itself to me and my lamentable ignorance of mechanics is such that I am in doubt whether you will find any merit in the method named, or call me an unmitigated idiot for addressing you on the subject.

If however there is any thing in the matter I am confident you will be willing to investigate it. and if it is unworthy of attention, the annoyance I have caused you, you will please charge to the acct. of Geo Bliss. for if it had not been for his view of a wheel of needle points would never have suggested itself

Your obedient servant W. B. Cole

William C. Cole

Real Estate
Commercial Paper
City & County Securities.

Room 8
110 Dearborn St.

Chicago, 1878.

I had thought of employing a watchmaker to construct a wheel and adjust it if possible, so that the possibilities of the idea could be considered – I did get a very small watch wheel and the indentations were so close that I was confident the success of the invention would depend on the adjustment of the wheel at the point so that the curved circles be made accurately – The main idea however seemed so simple that it occurred to me that the question of a wheel might have been gone over thoroughly by you in the experiments made in the development of the Electric Pen –. It would be a great pleasure to me to hear from you, but I can hardly ask you to write if at a sacrifice of valuable time –.

Yours
WCC

Edisons
Electric Pen and Multiplying Press
address

Geo. H. Bliss
General Manager.

A. G. MacKenzie
General Eastern Agent
267 Broadway N.Y.

New York Aug 29 1878

Chas. Bachelor Esq
Menlo Park N.J.

Dear Sir

Can you make any suggestions in reference to the enclosed circulars which will be a help to Mr. MacKenzie wished me to get up a circular to send in answer to enquiries.

The enclosed is the result. and if you can suggest any thing that will improve or add to it I will take it as a great favor. for Mr M. & myself. both.

Yours truly
Frank J. Phelps.

Geo. H. Bliss, Genl Mgr.

OFFICE OF ELECTRIC PEN & DUPLICATING PRESS

142 La Salle St. Chicago Aug. 24 1878.

T. A. Edison Esq.
Menlo Park, N. J.
Dear Sir;

Immediately on receipt of this please write E. A. Bakin, 709 Sansome St., San Francisco a nice letter. While the Contractors & subsequent agents for the Pen none are sold & the Polytypograph got a strong hold. Bakin has sold more pens this Sum. Mer than all his predecessors. We has taken out Polytypograph and put in Pens as follows — W. O. Coleman & Co. Heavy importers — Baker & Hamilton, leading Hardware — C. W. Dearborn — Board of Education, Alameda " " " San Francisco Local " " Fire Underwriters etc. He says — "I have met the enemy & he is ours" — He has a nice of Pen & your name conspicuously displayed on one of the best streets in San Francisco. He is

Geo. H. Bliss, Genl Mgr.

OFFICE OF ELECTRIC PEN & DUPLICATING PRESS

142 La Salle St. Chicago 1878.

working hard for your reputation & profiting & successfully. You cant afford to give such men the go by & owe him an apology for not calling when there.

Respfly
Geo. H. Bliss

Bakin says he knows of three instance where the Co. Co. have recommended parties not to buy Pens. It is a pity there parties cant get on being down to their own work of success with the Pen.

Chicago AUG. 29TH, 1878.

THOS. A. EDISON ESQ.
MENLO PARK, N.J.
DEAR SIR:

WARD & GAY THE BOSTON PEN AGENTS ARE GOING TO EXHIBIT THE PEN AT THE MECHANICS FAIR IN THEIR CITY IN COMPETITION WITH THE PAPYROGRAPH.

THE PAPYROGRAPH PEOPLE HAVE A PRESS WHICH RUNS VERY FAST.

I SUPPOSE THERE IS NOT MUCH USE TO CALCULATE ON THE FAST PEN PRESS BUT PERHAPS IF YOU GET THE PRESS RIGHT INTO THE HANDS OF THE MAN WHO MADE IT WE MAY COME IN AT THE TAIL END OF THE EXHIBIT IN A STYLE THAT WILL ASTONISH THE BOSTON PEOPLE.

PLEASE DON'T FORGET THIS MATTER.

RESPECTFULLY,

Geo. H. Bliss

GEN. MAN.

T. A. EDISON.

Menlo Park, N. J., Aug 30 187

Geo. H. Bliss
220 Ringie St Chicago

Mackinzie absolutely short of everything and feels very blue, you should hurry goods forward by all means

T A Edison

1704 809 N.

T. A. EDISON. 5 7.50 pm

Menlo Park, N. J., Aug 30 1878

Chicago Ill. 30
T. A. Edison
Menlo Park
Not an outfit on hand anywhere
Have been hammering for
them shall be able to
stock McKinzie up next week
Geo H Bliss

21 D + Tis ans
Bg G

Geo. H. Bliss, Contract.

ELECTRIC PEN & DUPLICATING PRESS

144 LA SALLE ST. Chicago SEP'T 2ND, 1878.

T. A. EDISON ESQ.
MENLO PARK, N. J.
DEAR SIR:

GRIEST WAS IN TO SEE ME TODAY. HE IS GOING TO RESIST SUIT.

HE SAYS YOUR TWO FIRST CLAIMS WILL NOT HOLD.

HE OFFERS TO SELL OUT FOR 5.000.00 OR WILL RECOGNIZE THE PATENT FOR A LICENSE TO MAKE HIS MACHINE ON SOME TERMS.

HE IS AN OLD PATENT FIGHTER AND COUNTS ON HIS REPUTATION IN THAT DIRECTION.

HE RETAILS HIS MACHINES AT 25.00 & 30.00 BUT SELLS SAMPLE MACHINES AT 5.00 LESS AND G VES AGENTS 50 PER CENT DISCOUNT FROM LIST.

WITH THESE TERMS IT IS TOUGH WORK TO SELL PENS.

WEST & BOND ARE PREPARING THE BILL AND WILL SEND IT ON FOR YOU TO SWEAR TO SOON.

GRIEST WILL ASK TIME FOR HIS ANSWER AND POSTPONE MATTERS IN THE FAVORITE WAY WHICH LAWYERS HAVE OF DOING THINGS AS LONG AS POSSIBLE.

I HAVE WRITTEN GILLILAND THAT HE MUST BE PREPARED FOR A LONG LAW SUIT AND A MODIFICATION OF ROYALTY.

I WANT TO GET SOME OF THE ROYALTY OFF ON THE FIRST PATENT AND THEN TAKE SPECIAL LICENSE UNDER THE NEW PATENTS.

RESPECTFULLY,

Geo. H. Bliss

GEN.

WEST & BOND,
COUNSELORS IN PATENT CAUSES,
208 LA SALLE STREET,

E. A. WEST.
L. L. BOND.

Chicago, Sept. 6th 1878

Thomas A. Edison Esq
Dear Sir -
We enclose
with bill for your signa=
-tures against Priest Man=
-ufacturing Company -
You will sign at the
bottom of next to last page.
and at bottom of last
page - Make oath and
have Officer sign and
attach his seal -
Return papers to us
when executed - and if
convenient send us copy
of the patent sued on - No.
180.857 -
Yours &c
West & Bond.

Geo. H. Bliss, Lent Mart.

OFFICE OF THE ELECTRIC PEN & DUPLICATING PRESS.

141 La Salle St. Chicago SEP'T 11TH 1878.

THOS. A. EDISON ESQ.
MENLO PARK, N. J.

DEAR SIR:

WEST & BOND SAY THEY SENT THE BILL AGAINST GRIEST TO YOU SEVERAL DAYS AGO TO BE SWORN TO AND THAT IT HAS NOT YET COME TO HAND.

I DONT THINK YOU APPRECIATE THIS SITUATION OR YOU WOULD HURRY UP THE MATTER.

HERE IS THIS FIEND GRIEST ON THE GROUND FLOOR IN THE EXPOSITION OPPOSITE THE MAIN ENTRANCE WITH HIS MACHINE OFFERRING IT AT $12.50 WHOLESALE AND ALL I CAN DO IS TO BLOW WIND AT HIM AT WHICH HE LAUGHS.

HIS CO. HAS A NOMINAL CAPITAL OF 50.000.00 OF WHICH 800.00 IS CASH, 3.000.00 NOTES, 12.000.00 MACHINERY AND THE BALANCE PATENTS.

I WAS IN HIS SHOP YESTERDAY AND AND HE HAS NOT 1.500.00 WORTH OF TOOLS ALL TOLD.

IF SUCH A PARTY AS THIS IS GOING TO RUN AWAY WITH A VALUABLE PATENT LIKE YOURS YOU ARE A DIFFERENT INDIVIDUAL FROM WHAT I BELIEVE.

LOUDERBACK WRITES THAT THE IMLAY PEN PEOPLE AT PHILA ARE PUSHING AHEAD AND ALSO THAT THERE IS NOW A DENTIST MALET PEN IN THE FIELD.

THIS PRETTY GOOD EVIDENCE THAT THERE IS VALUE TO THE PEN BUSINESS AND I DONT BELIEVE THE TIME AND MONEY SPENT ON IT IS GOING TO BE THROWN AWAY.

IF IT HAD BEEN PLANNED A BETTER CASE THAN GRIEST'S COULD NOTHAVE BEEN ARRANGED TO FIGHT FOR I AM CERTAIN YOU WILL WIN AND ONE DECISION REACHED IT CAN BE MADE LIVELY FOR THE

Geo. H. Bliss, Lent Mart.

OFFICE OF THE ELECTRIC PEN & DUPLICATING PRESS.

141 La Salle St. Chicago 1878.

INFRINGERS.

PLEASE DON'T DELAY IN THIS MATTER BUT GIVE ME A TANGIBLE GROUND TO STAND ON BEFORE THE COMMERCIAL PUBLIC.

IF PARTIES UNDERSTAND THAT EVERY ONE WHO MAKES, DEALS IN OR USES INFRINGEMENTS ON THE ELECTRIC PEN HAVE GOT TO SETTLE THERE WILL BE COMPARATIVELY FEW WHO WILL CARE TO PICK UP THE FIGHT AGAINST YOUR PATENT AND MANY MORE WHO WILL NOT BE MEAN ENOUGH TO TRY TO ROB AN INVENTOR WHO HAS THE REPUTATION YOU HAVE AND WHO HAS DONE AS MUCH SERVICE TO AMERICAN ACHIEVEMENT AS YOURSELF.

WHEN THIS THING IS FAIRLY UNDER WAY I AM COMING DOWN TO SEE OUR EASTERN FRIENDS ~~[illegible]~~.

PLEASE HURRY UP.

RESPECTFULLY,

GEN. MAN.

T. A. EDISON. 1 12 m

Menlo Park, N. J., Sept 16 1878

Chicago Ill 16
T A Edison
M Park
West & Bond want two hundred dollars shall I pay and Change Western Electric royalty
Geo H Bliss

15 paid
Va-G

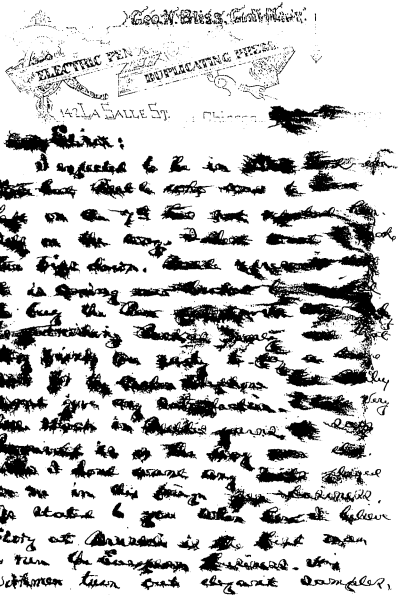
T. A. EDISON. 1

Menlo Park, N. J., Sept 16 1878

Geo H Bliss Chicago
Yes pay them two hundred dollars
T. A. Edison

GAN 10:30 Pm
G MK

[TRANSCRIPTION FOLLOWS]



[TRANSCRIPTION FOLLOWS]

Geo. H. Bliss Lithiate.

ELECTRIC PEN

DUPLICATING PRESS

141 La Salle St.

[illegible]

[TRANSCRIPTION FOLLOWS]

Respectfully
Geo. N. Bliss

How is Black?

Strongly bias in a neutral
Country politically is the
Best advantage

[TRANSCRIPTION]

George H. Bliss to TAE

September 21, 1878

Dear Edison:

I expected to be in New York ere this but Beetle who was to have left on the 7th has not reported himself on the way. I dont want to make two trips down. Beetle represents that he is coming over backed by capital to buy the Pen patents. He says Bailey is furnishing Puskas money and that His friends are ready to pay a large sum for the carbon telephone but Bailey won't give any satisfaction. I take very little stock in Beetle's yarns. He says Roosevelt is on the way over etc. Now I dont want any tricks played on me in this foreign pen business. As stated to you when here I believe Story at Brussels is the best man to run the European business. His workmen turn out elegant samples. He has sold more pens in Europe than any one else. His large Sewing Machine Experience qualifies him to run agencies. He prefers goods from this side rather than the Paris make! What kind of goods can they make in Paris? He has applications for pen agencies from all over Europe. He sends me an order for 50 No. 3 outfits this week. If things really are mixed in Paris it will be a wise thing to keep the Pen out of the mess and it is just as well to smash any ring formed there to contol. It cant hurt you to have only good independent business run on its merits but will help the market on other things. If I ever get rid of Beetle shall commence to make money on the Pen business. This having been the opening wedge to you for outside business a little careful nursing will do no harm. Breckon has arranged with one of the large Sewing Machine Cos to run the Pen business in England. Shall be down or write soon. Respectfully,

George H. Bliss

How is Aleck? ~~Breckon~~ Story being in a neutral country politically is to his advantage.

Dear
Brooklyn
no ans

Brooklyn Sep 22nd 1878

Mr Edison

I have been compelled to give up the Office as a loosing job. The man Fanning that lent me his shop would not allow me to remove it, and thus was a man rent of me to go to work and by some necessity compelled me to take the job. Fanning said he would attend to sending it to my Office or take it. I understand he took it yesterday and told that I had collected almost $100 on it, he is sided accordingly and has

that name by all who know him. Mr Edison I will try and see you at the Pen Office between 12 and 1 O'clock noon on tuesday this week. I also understand he tried to collect money on the Press. I can explain things better when I see you

Yours Respectfully
Charles H Stearns

No 395 Dean St Brooklyn

THE EDISON ELECTRIC PEN & DUPLICATING PRESS

Geo. H. Bliss. Geo. J. Kenyon.

143 La Salle St. Chicago. SEP'T 25TH, 1878.

T. A. EDISON ESQ.
MENLO PARK, N. J.
DEAR SIR:

I INCLOSE HERWITH A CIRCULAR RELATIVE TO A SCHEME WHICH YOU MUST ENDORSE.

I WANT YOU TO BECOME ONE OF THE INCORPORATERS AND A STOCK HOLDER. YOU NEED NOT TAKE OVER ONE HSARE OF STOCK IF NOT WANTED OR CAN TAKE A THOUSAND DOLLARS TO BE PAID IN ROYALTY OR MORE IF DESIRED.

I SHOULD LIKE TO HAVE YOU A PROMINENT OFFICER IN THE CO. OR AT ANY RATE WANT THE BENEFIT OR YOUR NAME AND INFLUENCE.

I HAVE FOUGHT THE PEN FIGHT VIGOROUSLY FOR TWO YEARS IN THE FACE OF MANY ADVERSE CIRCUMSTANCES AND HAVE SUCCEEDED IN CONVINCING MANKIND WITH IT'S VALUE.

THE FIELD IS NOW FULL OF INFRINGERS WHO EXPECT TO SHARE THE SPOILS AND IT WILL PROBABLY TAKE TWO YEARS MORE TO SCOOP THEM OUT OF THE WAY AFTER WHICH THE GENERAL UTILITY OF THE MULTIPLYING PROCESS WILL BE WELL RECOGNIZED AND WITH ESTABLISHED PATENTS THERE WILL STILL BE IO GOOD YEARS TO MAKE A HANDSOME AMOUNT OF MONEY IN.

THE PEN WAS REALLY YOUR FIRST VENTURE OUTSIDE OF THE TELEGRAPHIC FIELD AND ON THIS ACCOUNT IT IS DESIRABLE FOR YOU THAT IY BE A PERMANENT SUCCESS.

I THINK ALSO YOU WILL BE DISPOSED OUT OF PERSONAL FRIENDSHIP TO ME TO HELP THIS MATTER ALONG.

BEFORE BARTON WENT EAST HE EXPRESSED HIMSELF AS WILLING TO GIVE UP THEIR RIGHT TO MAKE PENS IF THE TOOLS , STOCK AND MY ACCOUNT CAN BE TAKEN OFF THEIR HANDS.

THE QUALITY OF THE GOODS FURNISHED FOR A LONG TIME WAS A SERIOUS INJURY AND NOW THE GREAT DELAY IN FURNISHING THEM IS A SOURCE OF GREAT DAMAGE.

I HAVE NO DESIRE TO TAKE THE MANUFACTURE AWAY FROM THE W. E. M. CO. AND WOULD NOT CONSENT TO IT BUT IF THE PEN BUSINESS IS TO BE A

THE EDISON ELECTRIC PEN & DUPLICATING PRESS

Geo. H. Blake. Geo. H. Conner.

142 Lake Street.

Chicago 1878.

PERMANENT SUCCESS I MUST HAVE THE RIGHT TO GET PENS ELSEWHERE IN CASE THEY CAN'T OR WONT FILL ORDERS.

THIS WILL BE FOR THE INTEREST OF ALL CONCERNED.

I HAVE ORDERS IN FOR 250 OUTFITS AND HAVE NOT HAD AN OUTFIT SINCE THE EARLY PART OF THE MONTH.

THEY CAN'T GIVE ME ONE FOR A WEEK OR 10 DAYS.

WHEN-EVER A LITTLE RUSH IS WORKED UP THEY GET OUT OF STOCK AND AS A CONSEQUENCE EXPENSES EAT UP ALL THE PROFITS AND MORE TOO.

THE DELAY KILLS THE DEMAND AND WITH THE COMPETITION IN THE FIELD THE BUSINESS BECOMES A FEARFUL DRAG.

I WANT TO PUT A STOP TO THIS ORDER OF THINGS.

GRIFFIN WRITES A VERY GOOD HAND BUT I WANT YOU TO WRITE ME PERSONALLY ENDORSING THIS SCHEME AS STRONGLY AS YOU CAN CONSISTENTLY ON RECEIPT OF THIS.

I HAVE PUT TOO MUCH WORK INTO THIS BUSINESS TO BE QUIETLY FROZEN OUT OF IT INTENTIONALLY OR UNINTENTIONALLY.

I THINK THE KEY TO THE SITUATION IS IN MY POSESSION AND AM ANXIOUS TO UNLOCK A BETTER FUTURE.

RESPECTFULLY,

Geo. H. Blake

GEN. MAN.

[ENCLOSURE]

EDISONS MULTIPLYING APPARATUS

THE ELECTRIC PNEUMATIC & MECHANICAL PENS.

The following patents which cover the apparatus and method for printing by perforated stencils are controlled by the undersigned.

Edison's patent	Aug. 8. 1876.	No.	180,857.
" "	Nov. 6. 1877.	"	196,717.
" "	May 7. 1878.	"	203,329.
" "	June 25. "	"	203,570.
Dlewart's "	Oct. 24. 1876	"	183,720.
Woodbury "	April. 23. 1878.	"	202,913.
Van Horenburg "	May. 7. 1878.	"	203,300.
Jarvan's Field "	applied for.		

For particulars, address.

Geo. H. Bliss. Gen. Mgr.
Chicago.

142 LA SALLE ST.

[ENCLOSURE]

The Edison Merchandising Co.

The object of this organization is to acquire control of some of the most valuable inventions of the Celebrated inventor Thomas A. Edison.

The first step will be to secure the Electric Pen business which is based upon Mr. Edisons four patents in the United States, covering the Electric, Mechanical, and Pneumatic Pens and the method of Continuous line printing by means of perforated stencils which amply cover the foundation of the business.

It is proposed that the Capital Stock shall be $500.000. with 10% paid in which it is hoped will be ample for the present needs of the business.

The present owners of the Electric Pen business offer to subscribe for $50.000. of the Stock and to turn over the business in Consideration of a Credit on the books of the Company by the above amount.

W. B. Mann Co.

Against this the Assessment on their Stock is to be charged and the balance is to be paid them out of the profits of the Company at the rate of $5000 per Annum after a dividend of 10% has been paid for the same year. Upwards of 5000 Electric Pens have been Sold in the United States and about the same number scattered through all the Commercial Countries of the World. The demand is steadily increasing.

The Electric Pen business is controlled in Gt Britain by one of the large Sewing Machine Companies. All the balance of the territory will be controlled by this Company.- Valuable patents having been obtained in Canada, France, Belgium, Germany, Austria, Italy and elsewhere.

It is believed this business furnishes a basis for success equal to the best Sewing Machine Company in existance. Mr. Edison will be personally associated with this Company. He has received over 10000 letters relative to his invention for deaf people, and should this Company contract for the perfected instrument the profits must be large; This Company offers a rare inducement for the investment of surplus means.

Full particulars can be obtained from the Undersigned

Very respectfully

Subscription Agent.

THE EDISON Electric Pen & Duplicating Press

Geo. H. Bliss, Gen'l Manager.

142 Fifth Ave. St.

Chicago SEP'T 26TH, 1878.

T. A. EDISON ESQ.,
MENLO PARK, N.J.
DEAR SIR:

I ENCLOSE A LETTER FROM LOUDERBACK REC'D TODAY.

IT WILL SHOW THE NECESSITY OF STIRRING UP THE IMPRINGERS AT PHILA.

THE W. E. MFG. CO. WILL HAVE SOME PENS OUT BY CHRISTMAS AND I THINK PROBABLY THE INFORMATION IS CORRECT.

RESPECTFULLY

GEN. MAN.

Apl 24th P

Dear Sir: Yours of the 18th rec'd. In reply would say that I have telegraphed Lauderback to send the pens forwarded by the express company. Have been waiting for them to come to hand to sell them here. Have sent to Rolls Royce Co. for a mechanical pen for duplicating trial. Expect to have one up to examine every one on sight.

Rolls & Rolls which you mentioned on 13th have never come. Have none in the office & waiting for them. Sell anything as soon as you can.

I enclose you a cut of the Inland Sun. You ought to take some action in it.

I omitted to mention that the pen itself has the needle, stripper, & cam, that ever has.

Yours truly

D. H. Lauderback Jr.

[ENCLOSURE]

OFFICE OF

WESTERN ELECTRIC MANUFACTURING CO.,

Manufacturers, Importers and Dealers in all kinds of

TELEGRAPH MACHINERY AND SUPPLIES,

HOTEL ANNUNCIATORS, BURGLAR ALARMS, ELECTRIC PENS, &c.,

No. 628 Chestnut Street,

D. H. LOUDERBACK, AGENT.

ANSON STAGER, President,
ENOS M. BARTON, Secretary

Philadelphia, Sept 24th 1878

Geo. H. Bliss.

Dear Sir.

Yours of the 18th recd. In reply would say, the mechanical pen is arranged precisely the same as a sewing machine, underneath and on the table it has a bar holding a pulley, attached to which is a spiral spring, to which the pen is attached. They are trying very hard to sell them here. I made a sale this morning to a man, to whom they had sent a mechanical pen for three days trial - he came up to examine ours and purchased one on sight.

The three No 2 Presses & Rollers which you say you shipped on 13th have never come to hand - we have none in the office & two parties waiting for them. Fill my order for outfits as soon as you can.

I will try & get you a cut of the Imlay Mech. Pen - you ought to take some action at once.

I forgot to mention that the pen itself has the same needle, stripper, & cam, that ours has.

Yours Truly

D. H. Louderback Jr.

142 Lasalle St. Chicago SEPT 27TH, 1878.

T. A. EDISON ESQ.
MENLO PARK, N.J.
DEAR SIR:

I HAVE PAID WEST & BOND $100.00 ON YOUR ACCOUNT AND HAVE HANDED THE RECEIPT TO THE WESTERN ELECTRIC MAN. CO. WHO WILL FORWARD TO YOU ON THEIR ROYALTY ACCOUNT.

I SHALL SOON HAVE TO PAY WEST & BOND $100.00 MORE.

THEY EXPECT TO GET THE CASE UP BY THE 12TH OF NEXT MONTH AND BELIEVE THE JUDGE WILL SHUT DOWN TIGHT ON GRIEST BUT THEY MAY ONLY BE ABLE TO MAKE HIM GIVE BONDS.

YOU WILL BE POSTED AS TO PROGRESS.

RESPECTFULLY,

Geo. H. Ellis
GEN. MAN.

Dear Sir South Lyon
Mich Dec 27/78

How do you succeed
to put your file on the market
we are manufacturing & selling
patents for inventors and deal in
Agents supplies should be pleased
to correspond with you & address
Douglas Comb Square Lac
Grand Rapids Mich

Forcing sales from Sept/77 to Sept/78.
Geo. L. Beette

1877							
Sept	14	Supplies	$21.81	15%	3	3.28	
Oct	12	25 Outfits		$3.00		75	
		Supplies	$11.32	15%		1.70	
Nov	1	25 outfits		$3.00		75.00	
		Supplies	6.15	15%		.92	
Dec	7	30 outfits		$3.00		90.00	
1878 Feby	7	2 "		3.00		6.00	
	8	Supplies & attachments	$3.66	15%		.54	
	9	1 Outfit				3	
	10	1 "				3	
	15	Supplies	4.04	15%		.06	
	22	Attachments	1.40	"		.21	
Mch	4	"	1.44	"		.21	
	"	1 Outfit				3	
	8	1 "				3	
	9	1 "				3	
	14	2 "		$3.00		6	
	16	Supplies	4.04	15%		.06	
	27	Attachments	7.00	"		1.05	
April	2	1 outfit				3	
	"	Supplies	14.00	15%		2.10	
	4	"	1.40	"		.21	
	5	"	18.23	"		2.73	
	"	10 Outfits		3.00		30.00	
	8	10 "		3.00		30	
	9	1 "				3	
	10	Supp & attachments	10.74	15%		1.61	
	12	1 outfit sample				3	
	13	1 "				3	
	15	1 "				3	
	24	1 "				3	
	"	Attachments	.50	15%		.07	
	28	Supplies	$5.00	"		.75	
	"	2 outfits		3.00		6.00	
		1 "				3	
		1 "				3	
		1 "				3	
		Total				375.50	

L L Beette
Sept 1878

2335

T. A. Edison's A/c

1878		Am't Fwd			375 50
May	10	1 Outfit			3
	"	Supp & Attachments 5.00	15%		75
	20	" " 8 1/2	"		1 30
	"	2 Outfits	3.00		6
	24	Supp & Attachments 14.32	15%		2 14
	"	5 Outfits			15 00
June	1	1 "			3
	4	1 "			3
	9	1 "	3.00		3
	22	2 "	3.00		6
	24	7 "	3.00		21
	"	1 "			3
		Supp & Attachments 3.00			4 5
	13	Supplies 1.20	15%		18
	15	1 outfit			3
	19	1 "			3
	20	1 Supplies " 1.20	15%		3 18
		1 outfit			
	22	Attachments 15.00	15%		2 25
	27	1 Outfit			3
July	11	1 "			3
	13	5 "	3.00		15
	16	7 "	3.00		21
	"	Supp & Attachments 31.00	15%		4 65
	19	1 Outfit			3
	29	1 "			3
Aug	1	3 "	3.00		9
	"	Supp & Attachments 22.72	15%		3 40
	2	" " 2.20			33
	"	1 Outfit			3
	3	1 "			3
	8	1 "			3
	"	Attachments 29.00			4 35
	10	" & Supplies 11.80			1 77
	"	3 outfits	3.00		9 00
		James Adams 1%	54.42		544 25
		C. Batchellor 22 1/2%	122.45		
		T. A. Edison 67 1/2	367.36		

		By Royalty on 78 Outfits and Supplies - other Foreign Sales	163 68	
		Royalty on E. L. Beetle Sales	367 36	
				531 04
1879				
Feby	1	To Balance	157 7	
Sept	30	" J. U. McKenzie (this report 7/9/78)	2 50	
		" Patent A/c		
		Italian patent 3.00 Gran	20 00	
		German " 2.00 "	20 00	
		Fees on Italian pat.	5	
Oct	30	To J. U. McKenzie	125	64 52
				$ 466 52

T. A. EDISON.

Menlo Park, N. J., Oct 1st 1878

Geo H Bliss Esq
Chicago Ill

Dear Sir

Your favor of the 25th ult relative to the stock Co was duly rec'd. The idea was to have a Co formed to take my small inventions, like the ~~C~~ pen and ~~Chem~~phone &c, and bring a product for them. I ~~[illegible]~~ that would market a large number of them ~~[illegible]~~ kind ~~and would to place them a [illegible]~~ with perfect ease I have enough of the larger ones to keep me busy. Of course the Co must be a responsible one

142 LaSalle St. Chicago. OCT. 7TH, 1878.

T. A. EDISON ESQ.
MENLO PARK, N.J.

DEAR SIR:

I SEND HEREWITH SOME SAMPLES FROM STORY REC'D TODAY WHICH WILL SHOW WHAT KIND OF WORK HE IS DOING IN THE PEN BUSINESS. HE IS THE MAN FOR EUROPE I FEEL CONFIDENT. I DONT UNDERSTAND BEETLE'S DELAY IN COMING OVER BUT THERE MAY BE SOME GOOD REASON. I EXPECT TO LEAVE HERE BY WEDNESDAY NIGHT FOR THE EAST. I REC'D YOUR DIPLOMATIC NOTE ON THE STOCK CO. QUESTION FOR WHICH AM MUCH OBLIGED. WHAT I SHALL TRY TO DO IN THE MATTER DEPENDS ON CIRCUMSTANCES. SOME SAN FRANCISCO CAPITALISTS ARE INCLINED TO BID ON YOUR ELECTRIC LIGHT APPARATUS. PERHAPS THOSE NEW YORK PARTIES WOULD NOT LIKE TO BE INTERPERRED WITH. PEN PROSPECTS SEEM PRETTY GOOD ESPECIALLY AS THE DEAD LOCK ON SUPPLIES SEEMS LIKELY TO BREAK THIS WEEK. THE FIRST OF A LOT OF 500 WILL BE OUT TOMORROW.

RESPECTFULLY,

Geo. H. Bliss
GEN. MAN.

PARK PLACE

SUNDERLAND.

Oct. 8th 1878

Dear Sir

I hasten to reply to yours of the 26th Ult. I am sorry you had a visit from my son under such circumstances it is a painful subject to me and you can probably conjecture the reason.

His habits in this Country have been unsatisfactory - had they been otherwise he would have been of great service to me here.

I should be glad to hear of

a reformation but fear that will never come.

As regards the press - you will let me know when you get success and then we will try to push it. In all improvements connected with the Pen or press or anything in that way I hope you will bear me in mind for so far I am greatly out of pocket with the Electric Pen

Yours truly

J. Brockon

T. A. Edison Esq

JOS. C. HARRISON, *Special.*

S. A. WHEELWRIGHT.
W. B. FULLER.
C. W. HARRISON.

WHEELWRIGHT, FULLER & CO.

FOREIGN COMMISSION MERCHANTS.

84 & 86 READE ST. COR. CHURCH.

POST OFFICE BOX 4328.

New York, October 11th 1878.

Thos. A. Edison Esq.
Menlo Park, N.J.

Dr. Sir:

Will you please inform us where to find the head-quarters, in this city, of your Electric Pen, oblige

Yours truly

Wheelwright, Fuller & Co

267 Broadway, Oct 18th/78.

Friend Edison -

I expected to see you here yesterday and to have given you a verbal answer to your note of the 16th, which I have well considered, and, while at a loss to express my thanks for your kindness and confidence in me, I must, at the same time, decline the Agency - I do not do so because of a want of confidence on my part to manage it successfully, but I feel that not only would it place me in a delicate position in having pointed out the mistakes of others and then accepting a place made vacant by their misfortunes, but I am also convinced that a gentleman of intelligence, business tact and integrity is absolutely necessary for the proper working of this office in addition to myself - My time is fully taken up with the work of the Pen, and, without being egotistical, we have no one who can fill my place should I accept this Agency - and were I to attend to the duties of the position my present work would have to be neglected - So I put the glitter of the ducats on one side and shutting my eyes to the beauties of my autograph with the hieroglyphics attached of G.E.A. remain content while I can attach it to the words

Your friend
Frank McLaughlin

Geo. H. Bliss, Genl Mgr

ELECTRIC PEN & DUPLICATING PRESS

220 to 232 Kinzie St.

Chicago Oct 29 1878.

T. A. Edison Esq -
Menlo Park. N. J.

Dear Sir:

Your favor of the 20th at hand. When you send Spanish Copy on notify me who has them so I can estimate. When machine comes will make estimate and send on to you. Hope you will give us E. H. Preference. Dyndall & Penny son are solid fellows. Anything which will attract their attention must be good.

Respectfully

Geo. H. Bliss
Genl Manager

New York. 10. 14. 78

T. A. Edison Esq.

Dear Sir:

If you come in please send me word at Pen office. I have a letter from Beale and am anxious to see you

Geo. H. Beale

G. K. LANSING, Manager. ALLEN & DAM, Proprietors.

ASTOR HOUSE,

BROADWAY & VESEY ST.

ON THE EUROPEAN PLAN.

New York, Oct. 24 1878

T. A. Edison Esq.
Menlo Park, N. J.

Dear Sir;

It had been arranged in a perfectly amicable way for Mr Mackenzie to leave the Grand Opera of the Pier on to 1st Cleaned on the first. Mr. Phelps also goes out in the same friendly way. I am much gratified at the spirit manifested. I have found it necessary to make more economical arrangements & desire that you understand it.

Respectfully
Chas. H. Blair
Gene'l Man.

142 La Salle St. Chicago Oct. 28th, 1878.

THOS. A. EDISON ESQ.
MENLO PARK, N. J.
DEAR SIR:

BEFORE LEAVING NEW YORK I PAID MR. SERRELL $45.00 ON ACCOUNT OF FOREIGN PATENT ASSESSMENTS IN GERMANY AND ITALY FOR THE PRESENT YEAR.

I SUPPOSE IT IS ALL RIGHT TO CHARGE THIS UP TO YOUR FOREIGN ROYALTY.

MR. SERRELL STATED THAT THE AUSTRIAN PATENT HAD BEEN FORFEITED ON ACCOUNT OF THE NON WORKING OF THE PATENT IN THAT COUNTRY.

WHEN BEETLE FIRST WENT OVER HE WENT TO VIENNA AND REMAINED THERE SIX WEEKS WHILE A PEN WAS BEING MADE. WHEN FINISHED IT WAS EXAMINED BY THE PROPER OFFICIAL AND HIS CERTIFICATE TAKEN AND THE PEN WAS PLACED ON EXHIBITION IN A CASE MADE FOR THE PURPOSE AND PUT IN A PLACE DESIGNATED BY THE GOV'T.

THE PATENT OFFICIALS SAID AT THE TIME THAT THIS WAS ALL NECESSARY FOR TWO YEARS.

I AM GOING TO WRITE MR. SERRELL THE DATES, NAMES AND FACTS SO THAT THE CANCELLATION OF THE PATENT MAY BE RESCINDED IF POSSIBLE. AT ANY RATE I HOPE YOU WILL NOT CONSIDER THIS MY FAULT AS I DID ALL THAT WAS REQUIRED TO MY KNOWLEDGE.

RESPECTFULLY,

Geo. H. Bliss

GEN. MAN.

142 La Salle St. Chicago, OCT. 28TH, 1878.

THOS. A. EDISON ESQ.
MENLO PARK, N. J.

DEAR SIR!

SINCE REACHING HOME I HAVE EXAMINED THE PEN PUT IN EVIDENCE BY THE GRIEST PARTY. IT HAS A TAPERING , TUBULAR STOCK, 5 POINTED CAM , RECIPROCATING NEEDLE AND IS RUN BY A SPRING AND TRAIN OF WHEELS ON THE TOP.

IT RUNS AND PERFORATES WELL FOR ABOUT A MINUTE AND A HALF.

FRED W. FUCHS OF ST. LOUIS CLAIMS TO HAVE MADE IT 15 YEARS AGO AND TO HAVE USED IT IN HIS BUSINESS MOST OF THE TIME SINCE THEN. HIS WIFE IS A DRESS MAKER AND HE HAS MADE PATTERNS UNTIL RECENTLY BUT IS NOW IN THE POST OFFICE AT ST. LOUIS. MR. BOND GOES TO ST. LOUIS TONIGHT AND WILL INVESTIGATE THE GENUINENESS OF THIS PEN.

GRIEST IS WILLING TO THROW UP THE SPONGE FOR $5.000.00. HE HAS RECENTLY OBTAINED SOME KIND OF A PATENT BUT THE SPECIFICATIONS ARE NOT AT HAND YET.

I TOLD HIM YOU WOULD NOT PAY FIVE CENTS TO HAVE THE FIGHT STOPPED.

IF YOU HAVE ANY SUGGESTIONS TO MAKE OTHER THAN TO PRESS THIS MATTER IN COURT PLEASE COMMUNICATE.

AM ANXIOUS TO HEAR ABOUT YOUR HEALTH.

RESPECTFULLY,

Geo. H. Bliss

GEN. MAN.

G. K. Parrelton
Answ Nov 12, 78

Sunderland.
Nov. 2 1878

Thomas A. Edison Esq
Dear Sir
The Taylor Patent Sewing Machine Co will require a supply of your patent Electric Pens and I have written to the Western Electric Manufactg Co asking them to generate orders that may be received from that Co. I shall be glad if you will support my letter to the Western Manufactg Co by your own recommendation. I am of course desirous that the Taylor Co should increase the sales in this Country of the Electric pens as much as possible as they are a substantially and highly respectable firm: my expectation is that they will develope the sales very considerably during the next few months. I think you are sure and certain with your patents for the Electric light and I sincerely hope that you will keep in mind the proposition that I placed before you in my last letter. I think I can be of

considerable service to you in this Country in organizing the best means of introducing the invention. I am extensively acquainted with the Directors of Gas Cos & others who regard invention with great interest. My present impression is that the largest revenue will be derived from granting to the existing Gas licences for the exclusive use of your patent, in the Cities, boroughs and towns of this Country taking the existing Gas Cos all over the Country associations that will feel interested in substituting your invention for the present mode of manufacturing the gas.

Yours truly

H B Cooper

PS The amount you advanced to my son, I shall be glad to repay in any way that you may propose. If I send you a bankers draft for the amount.

New York, ... 1878.

M. .....

The EDISON'S ELECTRIC PEN and PRESS,

GEO. H. BLISS,
GENERAL MANAGER.

267 Broadway.

ALL BILLS PAYABLE TO N. S. MACKENZIE,
GEN'L EAST: AGT.

ELECTRIC PEN PRINT

N.Y. Nov 8th 1878

Dear Al

I dont want to spend
you but I have not rec.d that letter
yet & for fear that it is one of my
boys leaving off my Hartford address
you just sit down like a good
fellow & write it now and address to
me at this office care Dr Clark
If it end up a letter to Barber
as you spoke of I can present it to
him here on Saturday as he will be here
then — Kind regards to Mrs E.
yours truly N S Mackenzie

Brown & Hobby.

Manufacturers of

FINE GOLD JEWELRY,

21 MAIDEN LANE.

P.O. BOX 1854.

New York Nov 1st 1872

H. A. Eddison Esq
Menlo Park

Dear Sir

I have an attachment to your Electric pen, whereby a pen can be made to write from steel & steel strike with same as usual as an ordinary pen. If you desire I shall send you drawing & call personally the ensuing week. I shall hear to your convenience.

Awaiting your early reply I am Respectfully yours

Sterling Brown

Please reply to above address

NY Nov 12 98

Ludwig Hirsch

Impt in E Pen

arr'd Nov 13

Referred him to

Dr Cleland

PARK PLACE
SUNDERLAND

Nov. 16. 1878

Dear Sir,

I have been hoping to hear from you in answer to mine of the 14th Ult. - I can readily imagine how much your time will be occupied and whilst anxious to hear from you will not trouble you by importunities. I think I mentioned to you the new arrangements for the Sale of your Electric Pen - The Taylor Patent Sewing Machine Co Limited 97 Cheapside London have taken the entire Agency - and I believe the result will soon be much more satisfactory. If you have time to write me a stencil with the Pen I shall esteem it a favor - I could then have copies struck off to show your own writing - that would attract attention. The note might be anything you can think of in reference to the Pen that would be useful to promote the Sale by awakening interest in it.

May I also ask the favor of your photograph - I will send you mine by return if you will do me the favor of accepting it

Yours very truly
C. R. Breckon

T. A. Edison Esq

Edisonia

Electric Pen & Multiplying Press

Geo. H. Bliss — address —

General Manager — 142 La Salle Street —

Chicago Nov. 29th, 1878.

THO'S A. EDISON ESQ.
MENLO PARK, N.J.
DEAR SIR:

NOV. 7TH MR. SERRELL TELEGRAPHED ME TO SEE HUFFMAN PATENT NO. 55.869 AND BUY IT.

I FOUND BY THE REPORTS THAT HE LIVED AT CARTHAGE, ILL. AND WENT THERE THE SAME NIGHT. SINCE THAT DATE I HAVE TRAVELLED DAY AND NIGHT BY RAIL AND TEAM AND TRACKED HUFFMAN THROUGH ILLINOIS, MISSOURI AND KANSAS FINALLY FINDING HIM ON THE STATE LINE BETWEEN KANSAS AND THE INDIAN TERRITORY 60 MILES FROM THE NEAREST RAILROAD.

IT HAS BEEN A MOST EXCITING CHASE AS OTHER PARTIES WERE AFTER HIM AND I HAD TO RESORT TO EVERY ARTIFICE TO THROW THEM OFF THE TRACK AND CONCEAL MY MOVEMENTS.

I FINALLY STRUCK HUFFMAN WITH A FRIEND WHO IS A DEALER IN PATENTS AND WHO TOOK ALONG A PATENT STEAM COOKER WHICH WE PRETENDED TO BE SELLING TO FARMERS.

HUFFMAN IS AN OLD INVENTOR AND HAS BEEN RICH BUT IS NOW BROKEN DOWN IN PROPERTYBUT HE IS A VERY SHARP FELLOW.

I FINALLY SUCCEEDED IN BUYING AND PAYING FOR THE PATENT WHICH WAS NO SMALL TRICK IN A COUNTRY WHERE NOT A SOUL KNEW YOU.

I CAN'T ATTEMPT IN A LETTER TO GIVE THE MANY INCIDENTS OF THE TRIP AND ITS MANY FALSE LEADS AND DISCOURAGEMENTS.

THE PATENT INCLUDING THE REISSUE AND MY EXPENSES AMOUNT TO $1.000.00.

Edisonia

Electric Pen & Multiplying Press

Geo. H. Bliss — address —

General Manager — 142 La Salle Street —

Chicago 1878.

THE QUESTION NOW ARISES IN WHAT SHAPE TO HAVE IT REISSUED AND WHETHER YOU WANT IT.

WEST & BOND SAY IN THE FACE OF THE HUFFMAN MACHINE THAT YOUR CASE AGAINST GRIEST CANNOT BE WON ON THE MERITS OF THE ELECTRIC PEN PATENT.

THE HUFFMAN PATENT IN ITS PRESENT SHAPE IS WEAK BUT CAN PROBABLY BE REISSUED SO AS TO BE STRONG.

IN MY JUDGMENT YOU CANNOT AFFORD TO BE DEFEATED IN THIS LITIGATION WHETHER ANY MONEY IS MADE OUT OF THE BUSINESS OR NOT.

THE PEN HAS BEEN MOST THOROUGHLY ADVERTISED IN CONNECTION WITH YOUR NAME AND THE PATENT SHOULD NOT BE GIVEN UP IF IT CAN BE AVOIDED.

AS FOR MAKING ANY MONEY OUT OF THE PEN BUSINESS WITH THE INFRINGEMENTS NOW BEING OFFERRED FOR SALE IT IS OUT OF THE QUESTION AND UNLESS PROTECTION CAN BE SECURED SOON THE ROYALTY AND PRICE WILL HAVE TO BE REDUCED TO A BASIS WHICH AN ORDINARY COMMERCIAL BASIS WILL WARRANT.

I COULD ILL AFFORD TO TAKE THE TIME FOR THIS EFFORT BUT HAVING ENTERED ON THE RACE I WAS BOUND NOT TO BE BEATEN IF IT COULD BE HELPED.

I HOPE YOU WILL BE DISPOSED TO APRRECIATE THE ATTEMPT I HAVE MADE IN THIS MATTER TO PROTECT THE PEN INTERESTS.

RESPECTFULLY,

Geo. H. Bliss

Edison's

Electric Pen & Multiplying Press

Geo. H. Bliss — address —

General Manager — 142 LaSalle Street —

Chicago DEC. 2ND. 1878.

T. A. EDISON ESQ.
MENLO PARK, N. J.
DEAR SIR:

YOUR DUPLICATE LETTER RELATIVE TO EUROPEAN MATTERS WAS REC'D HERE DURING MY PATENT CHASE.

MY ABSENCE DELAYED ACTION IN EUROPE SOMEWHAT.

HERZ HAS NO AUTHORITY WHATEVER FROM ME TO SELL ELECTRIC PENS AND IF HE IS DOING SO THE PATENTS ARE BEING INFRINGED UPON.

BEETLE HAS INSTRUCTIONS NOT TO MAKE OR CAUSE TO BE MADE NOR TO SELL OR CAUSE TO BE SOLD ANY PENS UNTIL HIS MATTERS ARE ARRANGED WITH ME.

50 OUTFITS ARE ON THE WAY TO STORY AND HE IS TO WORK EUROPE AT LEAST TILL SOME MORE SATISFACTORY ARRANGEMENT IS MADE FOR WORKING THE TERRITORY WHICH YOU APPROVE.

THERE WOULD BE NO JUSTICE IN COMPELLING ME TO LOSE THE AMOUNT OF MY EUROPEAN VENTURE WHEN I AM WORKING IN HARMONY WITH YOUR INTERESTS.

GOV. LATHAM WHO WAS TO SETTLE BEETLE'S ACCOUNT WITH ME HAS BEEN HERE THIS WEEK. HE ADMITTED THAT BEETLE HAD $2.900.00 WORTH OF MY PROPERTY ON HAND BUT SAID THE PAPERS HAD BEEN SENT THROUGH TO SAN FRAN. IN HIS TRUNK. I WANT TO GET THESE PAPERS IN HAND BEFORE RESORTING TO HARSH MEASURES. IF THERE IS SUCH A THING AS FRENCH JUSTICE I AM GOING TO HAVE IT.

RESPECTFULLY,

Geo. H. Bliss
Genl Mgr.

NOTE

To.
T. A. Edison Esq.
Menlo Park
New Jersey.

FROM
GEO E GOURAUD.
6 LOMBARD STREET E.C.
LONDON. 4 Dec 1878.

Ink for Electric Pen. Please send me a lot of your ink the first time you are sending a case of anything. Is it not possible to so make this ink as that it will take press copies. If this were so, the utility of the affair would be enormously increased as one could have no end of printed forms requiring only to be filled in in certain details. It is impossible to have this system without great risk of error unless the whole of the writing will take a press copy. Put one of your clever assistants on this. My compliments to Mr Batchelor in this connection.

Don't send
ordinary ink for
Experiment
for business
use - It will
take a copy for a few

Edisonia

Electric Pen & Multiplying Press

address

Geo. H. Allen
General Manager 142 LaSalle St.

Chicago DEC. 5TH, 1876.

THOS. A. EDISON ESQ.
MENLO PARK, N. J.

DEAR SIR:

MR. GILLILAND HAS BEEN HERE AND STATED THAT THE IMPRESSION PREVAILS AT MENLO PARK THAT THE CHICAGO PEOPLE HAVE WEAKENED ON THE PEN.

I SHOULD LIKE TO KNOW JUST WHAT THIS MEANS.

RESPECTFULLY,

Geo H. Allen

GEN. MAN.

Edisonia

Electric Pen & Multiplying Press

address

Geo. W. Allen
General Manager — 142 La Salle St.

Chicago Dec 6th 1878.

T. A. Edison. Esq.
Menlo Park
New Jersey.

Dear Sir:

I notice by the papers that you are adapting the Tuperwriter for the preparation of stencils so as to supersede the use of the electric pen. It is also stated that the business has been placed in the hands of Mr McKenzie. I can scarcely believe this to be possible and shall be glad to have you advise me what the facts are.

Respectfully.

Geo. W. Allen
Gen. Man

[ATTACHMENT]

T. A. EDISON.

Menlo Park, N. J., _____ 187

Dec 19, 74

Reply

McKenzie visited me some time ago & in some way the subject of making a typewriter adapted to stencils was brought up. I asked him why he didn't work it up. A Sun reporter happened to hear the conversation & made a note of it. I am not adapting the typewriter for any such purpose. I have nothing whatever to do with it.

Very truly
T. A. Edison

Edison's

Electric Pen & Multiplying Press

address

Geo. H. Bliss

General Manager 142 LaSalle St.

Chicago Ill. 7th 1878.

T. A. Edison. Esq.
Menlo Park. N.J.

Dear Sir:

Since my return I have written Mr Forbes in regard to the Electric Pen for Mexic. Should have attended to the matter earlier had it not been for my protracted absence.

Respectfully.

Geo. H. Bliss
Gen. Man.

Edison's

Electric Pen and Multiplying Press

address

Geo. W. Bliss
General Manager 142 LaSalle St.

Chicago Dec 7th. 1878.

T. A. Edison Esq.
Menlo Park. N.J.

Dear Sir:

My letter to Beckle which you return was sent to you by mistake. The fact that the Beckle letter is returned to me leads me to believe that a letter, which I wrote you on my return from the purchase of the patent, may have been misdirected to Beckle. If this is so wish you would see correspondence to Sewell and write me.

Respectfully.

Geo. W. Bliss
Gen. Man.

3 Dec 9. 78

Geo. H. Bliss
Chicago Ill

All right about Huffman's patent send statement of Expenses - I have some money here for you on telephone

T. A. Edison

1 9 DH

6 12
9 14

Edison's
Electric Pen & Multiplying Press
address
Geo. H. Bliss General Manager. 142 La Salle St.
Chicago DEC. 10TH, 1878.

T. A. EDISON ESQ.
MENLO PARK N. J.
DEAR SIR:

I WAS VERY GLAD TO RECEIVE YOUR TELEGRAM OF THE 9TH.

I BEGAN TO FEAR YOU DID NOT APPRECIATE MY EFFORT TO SECURE THE HUFFMAN PATENT WHICH ENTERPRISE WAS UNDERTAKEN AT MR. SERRELLS REQUEST.

I WILL SEND YOU THE BILL IN A DAY OR TWO AS SOON AS ONE OR TWO ACCOUNTS LEFT UNPAID COME IN.

ANYTHING YOU WANT DONE IN THE WAY OF ASSIGNMENT WILL BE CARRIED OUT.

I SHALL BE GLAD TO RECEIVE ANY MONEY YOU MAY HAVE FOR ME ON ACCOUNT OF THE TELEPHONE SALE AND ALSO PARTICULARS.

WILL WRITE FULLY ABOUT THE HUFFMAN PATENT AS SOON AS POSSIBLE.

RESPECTFULLY,

Geo. H. Bliss
GEN. MAN.

South Weymouth, Mass.
Dec. 11, 1878.

Mr. Thos. A. Edison

Dear Sir:

One of your "Electric Pens" I am strongly tempted to buy - for use in my parish work. Allow me, please, to suggest that, as it appears to me, a contrivance by which the duplicating Press work could be done more easily, seems to me to be very desirable. By bearing heavily upon the inking-roller the impression seems to be much improved.

Will you do me the kindness to inform me whether you are designing, and at an early date, to make the same mechanical appliance to meet the wants above-mentioned, and greatly oblige

Yours with great respect
Geo. N. Morden.

Edison's
Electric Pen & Multiplying Press
address
Geo. H. Blake
General Manager - 142 So. Dalle St.
Chicago DEC. 11TH, 1878.

T. A. EDISON ESQ.
MENLO PARK, N. J.

DEAR SIR:

I JUDGE FROM A LETTER WRITTEN ME BY HUFFMAN THAT THE COMPETING INTEREST HAS STRUCK HIM AS HE SAYS HE HAS BEEN OFFERRED A CONSIDERABLE SUM FOR THE PATENT.

HE SEEMS IN A VERY FRIENDLY MOOD TOWARDS ME HOWEVER AND DOES NOT REGRET THE TRADE.

HE CLAIMS TO BE OFFERRED A GOOD THING FOR HIS FOREIGN INTEREST.

I DONT THINK HE HAS ANY PATENTS EXCEPT IN THE U. S. AND HENCE DO NOT SEE MUCH VALUE IN THE FOREIGN INTEREST.

IF I DO ANYTHING WITH HIM IT WOULD ONLY BE FOR YOU.

I SHOULD TRY TO HOLD HIM TO A NOMINAL FIGURE ON ACCOUNT OF THE BENEFIT TO HIM OF THE INDIRECT CONNECTION WITH YOU.

HAVE WRITTEN MR. SERRELL AND WANT TO BE ADVISED.

RESPECTFULLY,

Geo. H. Blake

GEN. MAN.

ANSON STAGER,
President.

EGBERT M. HARTON,
Secretary.

OFFICE OF

WESTERN ELECTRIC MANUFACTURING CO.,

220-232 KINZIE STREET,

Chicago, December 13 1878

Mr. Thos. A. Edison

Menlo Park

Herewith find

our check

for $200.00 *on* ~~*in settlement of your*~~

~~*inclosed*~~ *account, which please receipt* ~~*and return to*~~

us at your earliest convenience.

Yours Truly,

E M Barton

Sec'y.

1C

Edison's
Electric Pen & Multiplying Press
address
Geo. E. Wilson
General Manager 142 La Salle St.
Chicago Dec 13th 1878.

T. A. Edison, Esq.
Menlo Park. N.J.

Dear Sir.

I paid Huffman $500 for his patent, divided in this way. Three hundred dollars for assignment of patent & Two hundred dollars for signing new reissue papers, within the scope of the original patent, which might be recorded. The Cost for railway fare, hotel bills, team hire, & incidental expenses was $201.70. I paid C. W. Parker, who went with me in my trip over Kansas $70. I also paid George E. Chund for assistance rendered in Kansas $30. The trip occupied twenty two days of my time which being figured at the

2C

rate of my salary amounts to $181.80. The bill for legal & other assistance to the law firm of Scofield & Hooker $25, & for similar assistance at Charleston Ills $10. This foots up a total of $988.50. I want you to send me an order on the Western Electric Manufacturing Co for $836.70, as this represents money actually paid out. I need it to adjust my account with them. The amount for my time I want to apply on the foreign royalty which has accrued to you. Then send instructions as to do. The Huffman patent was assigned direct to me & has gone on record in Washington accordingly. I made out some reissue claims & had Huffman sign them. He also made an assignment for the application to reissue to me. The claims

3C

as I have made them out will not be what you want to put in the application, in all probability, I wanted to get Huffman committed to some thing, thinking the claims could be amended if necessary. I am ready to send the original patent to the Secretary at any time you order. Also, if you will make out the reissue papers in such shape as is desired, I will guarantee to get Huffman's signature to them, as he is in a very friendly mood in spite of the efforts of other parties to make him dissatisfied with his trade. As soon as the Huffman patent can be reissued to suit you, the present action against Grieve should be withdrawn & a new one

4C

commenced. Meanwhile I think the best way will be to worry him as much as possible with the case now pending. He has been on the anxious seat since the purchase of the Huffman patent, & is flying around like a hen with her head off. He has been to see me several times to find out if you are going to compromise with him. I have given him no encouragement.

Respectfully.

Geo. H. Pelz

Gen. Man.

90 Broadway Room 13 - ~~1878~~ Dec. 15 1888

Dear Sir

For about two years I have been trying to secure a machine (Edisons Electric writer + Press) which I left at the office on Broadway bet. 15th + 16th St. to be sent to the factory - I purchased the machine of the agent at 62 Broadway I think. A tall handsome young gentleman. After using it some time, it refused to write - the needle would not work. I have made many applications at the office in New Church St - but never got the machine + press returned -

N.Y. Dec 15-78
E. McMurdy
Ans Dec 16.78
E. Pres

I paid if my memory serves me right
$30 or $35 - the latter sum probably -
The gentleman who sold it to me, gave
me the address of the Supt. of Meeks
Pork. If I am entitled to receive
this lost friend - send it over - if not
just say so - & I will buy another.
It was sent from the Broadway office to
the factory - Sorry to trouble you -

Yrs Truly
E. McMurdy

Then say to Mr. Edison I rejoice at his success,

Edison's

Electric Pen & Multiplying Press

address

Geo. H. Bliss
General Manager. 142 So. Dalle St.

Chicago Dec 16th 1878

T. A. Edison Esq.
Menlo Park. N. J.
Dear Sir.

Since my letter in regard to expense in the purchase of the Huffman patent, R. S. Hodgson has modified his bill for services, at Charleston, Ills, from $10 to $1. Of course you are credited with the $9 which he has concluded to rebate

Resp'y.
Geo. H. Bliss
Gen. Man.

1 H

Edison's
Electric Pen & Multiplying Press
address
Geo. F. Bliss
General Manager. 142 Sexpallerstre 2
Chicago. Dec 7th 1877

T. A. Edison. Esq.
Menlo Park. N. J.

Dear Sir.

I am going to institute proceedings to ascertain exactly what Beetle has been & is doing in Europe. I have written Storey to go and investigate the status & make full report. Should he fail to do this, I may want to secure the services of some one in Paris who can be depended upon. I hardly think Perkins or Adams are exactly suited for this class of work. I believe a good Competent law firm to be the kind of party I need to handle the matter.

2 H

Has not Mr Serrell some legal Correspondent in Paris whom he can recommend to me. I should like to have your advice in this matter.

Respectfully.

Geo. F. Bliss
Gen. man.

EDISON'S ELECTRIC PEN AND PRESS

Address
GEO. H. BLISS,
Gen'l Manager.

142 La Salle Street, Chicago, Dec 18th 1878

T. A. Edison Esq.
Menlo Park N. J.
Dear Sir.

I have written to Cleland to investigate the McMurdy pen. I never had an office at 67 Broadway & the transaction probably antedates me.

If I am at fault will rectify the matter; if not will get the facts & submit to you for action.

Respectfully.
Geo. H. Bliss
Gen. Man.

1c

EDISON'S ELECTRIC PEN AND PRESS.

Address
GEO. H. BLISS,
Genl Managen.

Copy.

142 La Salle Street, Chicago, DEC. 15 1878

THOS. A. EDISON ESQ.
MENLO PARK, N. J.

DEAR SIR:

Huffman has turned up in Chicago. Have not been able to make out exactly what he wants yet. Parties in Independence seem to have stirred him up to think I played a sharp game, that there is still something to be made. In this they will find themselves mistaken if they have advanced any money. If anything special developes bearing on the domestic or foreign interest will advise you. I do not see anything in his foreign claim which

2c

can be secured. I dont intend to mix in it unless at your request.

Resp'y.
Geo. H. Bliss
Gen. Man.

Owing to blunder of mailing clerk, only one sheet of this letter mailed you at first. Think date was 20th

EDISON'S ELECTRIC PEN AND PRESS.

Address
GEO. H. BLISS,
Gen'l Manager.

142 La Salle Street, Chicago, Dec 20th 1878

T. A. Edison. Esq.
Menlo Park. N.J.

Dear Sir.

I wish you would send me the necessary order on the Western Electric as per my statement relative to the purchase of the Huffman patent; & also authority to charge you upon foreign pen royalty, proportion specified. I want to forward the patent to Mr Serrell & get the responsibility off my hands.

Respectfully.

Geo. H. Bliss
Gen. Man.

EDISON'S ELECTRIC PEN AND PRESS.

Address
GEO. H. BLISS,
Gen'l Manager.

142 La Salle Street, Chicago, Dec 20th 1878

T. A. Edison Esq.
Menlo Park. N.J.

Dear Sir.

Your esteemed favor of 19th at hand. I am glad you are not disposed to press the type writer adaptation for steneil work on the market, as it seems to me this could not be done without seriously interfering with the legitimate pen business. It is hard work to make a success of the pen trade with the least possible hindrance in the way. I think this fight is going to be warm, but it requires more assertion than anything else I ever struck, & deciding the amount of return I am not discouraged but only the more anxious to make it come out right. Resp'y

Geo. H. Bliss
Gen. Man.

19

EDISON'S ELECTRIC PEN AND PRESS

Address
GEO. H. BLISS.
Gen'l Manager.

142 La Salle Street,

Chicago, Dec 26 1878

T. A. Edison. Esq.
Menlo Park. N. J.

Dear Sir.

A man named J. W. Kohler has turned up in San Francisco claiming to have exclusive right to exhibit the Phonograph, Telephone, and Mokograph in Australia. He also wants to exhibit & introduce the Electric Pen in that territory. I supposed McLaughlin was actively representing you through his agents in all these articles. There is a party familiar with the Pen who for some time has been anxious to go

2B

to Australia and introduce it there but I have declined to treat definitely on account of Mr McLaughlins Contract. I want him to make a success of it through his agents if possible.

Resply.

Geo. H. Bliss
Gen. Man

1B

EDISON'S ELECTRIC PEN AND PRESS

Address
GEO. H. BOLLES,
Genl Manager.

142 La Salle Street,
Chicago, Dec 30th 1878

T. A. Edison, Esq.
Menlo Park, N. J.

Dear Sir.

Grieve is selling a good many of his duplicating outfits in Chicago, and in fact all over the country. He offered three outfits for $37 to a party here, a day or two ago, which is a fair sample of what is being done. While the patent suit is pending and the Huffman patent being reissued it is necessary to fight him with weapons of his own kind. I am therefore

2B

compelled to put a cheap outfit on the market temporarily. I want to know if you are willing to accept a smaller royalty on these cheap outfits, and if so please name the best figure which you will take. I have written Gilliland substantially the same thing.

Resp'y
Geo. H. Bolles
Gen. Man.

Mr. Grieve is only doing what Edison & Gen. Stand at the mercy of.

1c

EDISON'S ELECTRIC PEN AND PRESS

Address
GEO. H. BLISS,
Gen'l Manager

142 La Salle Street, Chicago, Dec 30 1888

T. A. Edison. Esq.
Menlo Park. N.J.

Dear Sir.

Huffman has been here nearly two weeks and is likely to remain a week longer. When I found him in Southern Kansas, he was in a bad fix, financially, and to help him out I loaned him Considerably at Independence Before the trade was made I took particular pains to explain the whole situation to him, and just what I wanted, so that he could have no possible cause

2c

of complaint. After I came away the papers got hold of the thing and accused me of having swindled the old man out of his patent. Some of the citizens got their indignation up and the banks offered him $3000. if he wanted it to fight with. This Huffman declined because he says the trade was a square one, but he rushed up here to try to sell his foreign interest, He is very mulled and I cannot make him believe that as he has never taken any foreign patent out there is nothing in it. Meanwhile the Baltimore parties have been after him and Grieb has got hold of him here. Huffman will do nothing with them

3c

for this Country & sticks to his Contract to sign any reissue papers which may be wanted. He has discovered a very simple application of the re-circulating device for stippling photographs and wants a free license under his original patent for this purpose which I have consented to give, as West & Bond say it can be done with safety to the duplicating interest. Mr Serrell sent on the claims which he wanted Huffman to sign in the reissue These will be incorporated in the new application, but for reasons which will be explained when the papers are forwarded, Monday or Tuesday, I have added some more claims

4c

which it is my belief you will cordially approve when understood. I shall send the papers to Serrell as soon as West & Bond have them fixed up and Huffman has signed them. This it seemed best to do, owing to the strong pressure which Huffman is being subjected to from so many directions, to make the reissue safe. I shall send you the bill for this Huffman patent as soon as the papers are forwarded to Serrell, & shall also give the Western Electric Mfg Co an order on you for the actual amount of cash paid out as per my previous letter which I trust will be satisfactory.

Resp.

Geo H. Reid
Gen. Man.

Hudson, Mich Dec 31, 1888

Mr. T. A. Edison

Dear Sir

I have just received a letter from Bliss saying Priest is selling off his pens or duplicating apparatus for a very low price and it appears from the import of his letter that he is obliged to do the same thing I presume you have or will receive a similar letter. It appears he proposes to sell some kind of a duplicating machine at a price to compete with Priest. but he does not say what kind of a one he intends to sell nor at what price, and he wants to know what is the least royalty I will take upon it, now I propose to know what he intends to do before I say what I will do, for says he

intends to fight Briest with his own kind of weapons. one might infer from that he intends to make & sell the treadle machine the calls it a cheap outfit. he also says it is only a temporary move while the suit against Briest is pending and the Hoffman patent is being reissued. Now I would like to hear from you as soon as possible what you think of that kind of a move, as you hold the balance of power. I intend to let you lead off. Do you think it advisable to make such a change as that for so short a time, I think if the price of the machine and also our royalty is once put down at a low figure it will be hard work to get it up again, especially the royalty part. in fact I am half inclined to think it would not do to get us down on royalty. My opinion is that as soon as the Hoffman patent is reissued it will only take a short time to get a decision on the injunction against Briest, and you can tell better than I can how long it will take to get the reissue. If you conclude to come down on royalty I would like to know how much.

I would like to hear from you as soon as possible, I shall not give Bliss an answer until I hear from you.

Yours Truly

Rob G. Elliard

1878. Exhibitions - American Institute Annual Exhibition (D-78-023)

Correspondence, circular.

Not selected: duplicate copies of correspondence.

Office of the Secretary of the Board of Managers,
45th Annual Exhibition,
American Institute.

New York, Jany 10th 1878

T. A. Edison Esq.,
Dear Sir

You can easily find a place to put up your Telephone on Thursday afternoon next the 17th inst.

Call in room 22, Office of the American Institute, and room 24, will be opened for you.

Very Resp'y,
D. H. Garden,
Ass't Clerk.

[July 5]

The 45th Exhibition of the American Institute will be opened September 11th 1878.

For blanks, list of awards, and all information relating thereto, address,

General Superintendent,
American Institute New York City.

VI DEPARTMENT.

EXPLANATIONS OF ABBREVIATIONS.

Progress.—The Medal of *Progress*.
Special.—The *Special* Medal.
Taste.—The Medal of *Taste*.
Superiority.—The Medal of *Superiority*.
Excellence.—The Medal of *Excellence*.
Maintained Superiority.—The Diploma for *Maintained Superiority*.

"The Diploma for Maintained Superiority" may be granted for any article or process which shall have won the award of a medal at a previous Exhibition. This Diploma shall set forth the fact of the previous award, and the report of the Judges recommending it shall state that the superiority for which the medal was awarded has been maintained.

Continued Excellence.—The Diploma for *Continued Excellence*.

"The Diploma for Continued Excellence" may be granted for any article or process which shall have won the award of a medal at a previous Exhibition. This Diploma shall set forth the fact of the previous award, and the report of the Judges recommending it shall state the excellence for which the medal was awarded has been continued.

Diploma.—*Diploma*.

GROUP 1.

1329 Wm. P. Johnson, Locomotive, Excellence
1701 Pneumatic Tramway Engine Co., Pneumatic Car, Not yet reported by the Judges
1665 Rob't P. Reilly & Walter P. Speller, Turnstile Fare Register, Excellence
917 I. Katzenstein, Railroad Revising Instrument, Excellence
859 J. Ogden, Rail Bender, Excellence
1457 Columbia Car Spring Comany, Car Springs, Continued Excellence
1285 American Car Box Co., Car Box, Diploma
923 Louis Leypoldt, Noiseless Rails, Diploma
1709 Ephraim R. Dingley, Noiseless Rail, Diploma
1057 Alex. H. Campbell, Combined Wood and Iron Rail Road Cross-Tie, Diploma
671 Yale Lock M'f'g Company, Hoisting Machinery, Maintained Superiority
693 Lyons & Bunn, Portable Balance Derrick, Superiority
703 Edwin Harrington & Son, Screw Pulley Blocks, Superiority
669 Yale Lock M'f'g Co., Differential Pulley Blocks, Excellence

GROUP 2.

1541 John C. Ham, Jump Seat Sleigh, Superiority
79 R. M. Stivers, Circular Spring Cutter, Superiority
767 Thos. Graether, Hand Sled, Diploma
1471 Risley, Irving & Tucker, Road Wagon, Excellence
1283 Gray, Noakes & Co., Top Road Wagon with Side Bar Couplings, Excellence
739 The Oppenheimer M'f'g Co., Double Buggy Carriage, Diploma
1249 N. Y. Sarven Wheel Co., Carriage Wheel, Diploma
1207 Virgil Price, Carriage Wheel, Diploma
679 C. W. F. Dare, Child's Carriage, Tally Ho, &c., Continued Excellence
251 Crandall & Co., Child's Carriage, &c., Diploma
1043 Ernest Krueger, Folding Child's Carriage, Diploma
875 L. H. Mace & Co., Baby Carriages, Diploma
1351 Julius L. Hornig, Equestrian Velocipede, Diploma
617 John Parr, Samson Jack, Diploma
1178 H. A. Ellis, Wagon Jack, Diploma
741 J. V. Waldron & Bro., Harness Ornaments, Excellence

GROUP 3.

243 Bryson & Knight, Life Saving Appliances, Superiority
955 Thos. F. Rowland, Life Saving Car, Excellence
1695 John P. Schultheis, Life Boat, Diploma
1203 Providence Tool Co., Iron Blocks and Ship Chandlery Articles, Diploma
1749 A. D. Newell, Life Line Carrier, Excellence

GROUP 4.—Division A.

1175 Rousseau Burglar Alarm Co., Burglar Alarm, Excellence
1181 Geo. A. Dowden, Burglar Alarm, Diploma
1069 Max Kolesons, Burglar Alarm Safe, Diploma
1671 Henry V. Aiken, Pneumatic Gong-Pull, Diploma

Division B.

527 Fairbanks & Co., Type Writer, Superiority
1635 Rob't J. Stuart, Automatic Paper Feeder, Superiority
131 Young America Press Co. Printing Presses, Excellence
989 Henry Smith, Printing Presses, Diploma
649 Napier Bro's, Printing Presses, Diploma

Special.

NOT YET REPORTED BY THE JUDGES.

1065 Gold & Stock Telegraph Co., Telephones.
1195 J. U. Mackenzie, Electric Pen.
1646 J. U. Mackenzie, Multiplying Press.
1227 Weston Dynamo-Electric Machine Co. Elec. Machines.
1569-1601 Bush Electric Light Co., Electric Machines.
739 Wallace & Sons, Electric Machines.

GROUP 5.—Division B.

715 Gilbert & Barker, Gas Machine, Superiority
1640 Louis Falk, Fire Escape, Continued Excellence
1685 Henry H. O'Conor, Fire Escape, Diploma
1751 John P. Schultheis, Fire Ladder, Diploma

GROUP 6.

799 John Matthews, Bottling Machine, Superiority
815 John Matthews, Soda Water Fountains, Superiority
801-7-11 John Matthews, Bottle Stoppers, Excellence
803-5 John Matthews, Syphon Filling Machine, &c. Excellence
817 John Matthews, Tumbler Washers, Diploma
809 John Matthews, Transporting Boxes for Bottles, Diploma
207 Bennet Osborn, Paper Boxes, Diploma
755 Leggett & Bro., Paper Boxes, Diploma
1387 Sam't Oakman, Carboys and Demijohns, Diploma
1555 John F. Reinhard, Demijohns, Diploma
215 Lane Bro's, Coffee and Spice Mills, Excellence
217 Lane Bros., Coffee Roaster, Diploma
159 James Kirk, Burrel Stand, Diploma
219 Lane Bros., Measuring Faucet, Diploma
1027 John P. Gruber, Pneumatic Works, Excellence
1299 Matheson & Co., Butchers' Fixtures, Excellence
1287 Gardner & Co., Veneer Scoops, Diploma
1031 N. Y. Automatic Hatch Cover Co., Hatch Cover Apparatus, Excellence
907 Thos. F. Rowland, Elevator Buckets, Excellence
521 David Choate, Scaffolding Horse, Diploma
639 Ingalls & Mark, Vault Lights, Diploma
1219 Gilbert & Bennett M'f'g Co., Wire Goods, Diploma
687 H. S. Haviland & Co., Coal Screen, Diploma
819 John Matthews, Glass Signs, &c., Main'd Superiority
651 F. Schneider & Co., Embossed Glass Signs, &c., Excellence
353 F. Tuchfarber & Co., Iron Show Cards, Excellence
991 Brainerd T. Smith & Co., Electric Signs, Excellence
989 A. J. Smith, Show Cards and Oil Cloth Signs, Diploma
1495 Eugene Coates & Co., Fancy Signs, Diploma
737 Ira Jenvee & Co., Cloth Measuring Machine, Continued Excellence
1009 J. Henry Smith, Kid Glove Case, Diploma
1280 Cash Recording Machine Co., Cash Recording Machine, Diploma
347 R. W. Myers, Store Stools, Diploma
673 Yale Lock M'f'g Co., Locks, Maintained Superiority
555 Wm. P. Pierce, Locks, Diploma
559 Wm. P. Pierce, Scales, Superiority
1127 Berrian M'f'g Co., U. S. Coin Scale, Excellence
111 Geo. Betts, Pocket Scale, &c., Diploma
377 J. C. Todd & Co., Jute Bagging, Diploma
1759 Steuben T. Bacon, Ballot Box and Seal, Excellence

GROUP 7.

277 J. & R. Lamb, Church Furniture, &c., Main'd Superiority
1359 Alfred S. Dickinson, Tool Frame, &c., Excellence

The Awards will be ready for delivery at the rooms of the American Institute, No. 22 Cooper Union, after the 1st of December.

on

No. 5

Henry M. Parkhurst says will tell us the method of planet discovery by theory and will speak of the various planets which have met their discovery by special search in consequence of theory among which are the recent discoveries of intra-mercurial planets upon which he has information and which he believes has not yet appeared in print —

1878. Exhibitions - Paris Universal Exposition (D-78-024)

Correspondence; memorandum by Edison.

Not selected: advertising circular.

Washington, Jany 5th 78

Mr Ericson —

Dear Sir —

On going to the Commissioner of Pensions Office this A.M. I was very much pained at the fact of you being an avowed Democrat, as an insuperable barrier to your appointment, under the Administration. I am sure that you would have stood a very good chance of the appointment.

Yours truly

Thos. E. Stephens

T E Jenkins
June 7. 78

Washington June 7th 78

Mr Thos. A. Edison
Menlo Park,

Dear Sir,

Yours of this date is received, I wrote you a few days ago varying that as you would likely be an exhibitor at the Paris Exp^n that would be a bar to your appointment, this was told to me by the Chief Clerk in the Commissioner General's Office here, But I am going to put in ~~the~~ your name again as applicant for one of the Honorary Commissionership, pure

New Jersey, and let the proper officers dispose of it as they may.

You probably are aware that Orestes Cleveland of your state is or is to be in all probability the Paid Commissioner for N. J. and it would be well to get his testimonials, and you will have also to get a recommendation from the Governor, as the law says the two Com.rs from each state are to be appointed by the President on the recommendation of the respective Gov.rs. If you are on good terms with Cleveland he would likely get the proper letter from the Governor provided you do not know the letter. I do not think as you do about politicians getting these places, I believe that officials are picking out the best men I am sure Gov.r McCormick is —

If I get appointed as Commissioner I will be in New York in 10 days afterwards — If not I do not think I will be there before next May or June —

Yours truly

Thos. E. Bullitt

Washington Jany 8 1878

Mr. Thos A. Edison
Menlo Park.

Dear Sir —

I called at the Office of the Commissioner of Patents to day, The P.C. is in New York and on learning your name, the enclosed copy of the law was placed in my hands and I enclose it to you —

Yours very truly,

Thos. E. Tenkins

[ENCLOSURE]

[PUBLIC RESOLUTION—No. 1.]

JOINT RESOLUTION in relation to the International Industrial Exposition to be held in Paris in eighteen hundred and seventy-eight.

Whereas, the United States have been invited by the Republic of France to take part in a universal exposition of the productions of agriculture, manufactures, and the fine arts, to be held in Paris in eighteen hundred and seventy-eight: Therefore,

Resolved by the Senate and House of Representatives of the United States of America in Congress assembled, That said invitation is accepted, and that the Governors of the several States and Territories be, and are hereby, requested to invite the people of their respective States and Territories to assist in the proper representation of the productions of our industry, and of the natural resources of the country, and to take such further measures as may be necessary in order to secure to their respective States and Territories the advantages to be derived from this beneficent undertaking.

SEC. 2. That the President by and with the advice and consent of the Senate, shall appoint a Commissioner-General to represent the United States in the proposed exposition, and, under the general direction of the Secretary of State, to make all needful rules and regulations in reference to the contributions from this country, and to control the expenditures incident to the proper installation and exhibition thereof, and to the preparation of the reports on the exposition; and that the President may also appoint twenty additional commissioners, no two of whom shall be appointed from any one State of whom three shall be practical artisan experts, three shall be skilled representatives of commerce and manufactures, and four shall be practical agriculturists, nine shall be scientific experts, corresponding to, and specifically assigned to report upon, the nine groups into which the exposition will, under the official regulations, be divided, and one who shall be assistant commissioner-general, and shall perform the duties of commissioner-general in case of his death or disability, and shall report upon the exhibition at large, and the general results thereof; that the allowances to said commissioner-general for salary and personal expenses shall not exceed five thousand dollars for his whole term of office; and the allowance of the twenty additional commissioners for salary and personal expenses shall not exceed twelve hundred dollars each, not including such clerical service as may be allowed by the commissioner-general, which shall not exceed fifteen thousand dollars; and the Governors of the several States may nominate and the President appoint two honorary commissioners from each of the several States, and the President may appoint twenty-four additional honorary commissioners, among whom there shall be at least one resident of each of the Territories of the United States which said honorary commissioners may report upon such special subjects as the commissioner-general may direct, and shall serve without pay or other expense to the United States. *And provided further*, That in case the authorities of any State or Territory shall appoint a commissioner or commissioners to represent the interests of such State or Territory at said exhibition said commissioner or commissioners so appointed shall have the same status in the commission as the honorary commissioners provided for herein but shall

[ENCLOSURE]

not be entitled to either pay or compensation out of the money hereby appropriated: *Provided always*, That no person appointed by virtue of this resolution shall have any pecuniary interest, directly or indirectly, in any article exhibited for competition, or not as the agent for any exhibitor. And not more than one of the commissioners entitled to compensation nor more than five of the honorary commissioners shall be appointed from any one State or Territory.

SEC. 3. That the President be authorized, in his discretion, to assign one or more of the public vessels to transport to and from France, free of cost, under regulations to be prescribed by the commissioner-general, such articles as may be offered for exhibition by the citizens of the United States.

SEC. 4. That in order to defray the necessary expenses above authorized, and for the proper installation of the exhibition, and the expenditures of the commissioner-general made under the direction of the Secretary of State, and with his approval, and not otherwise, there be, and hereby is, appropriated, out of any money in the Treasury of the United States not otherwise appropriated, the sum of one hundred and fifty thousand dollars, or so much thereof as may be necessary for the purposes herein specified, which sum shall be expended under the direction of the Secretary of State; and out of such amount the Commissioner of Agriculture is hereby authorized to collect and prepare as far as practicable, and with as little delay as possible, suitable specimens of the agricultural productions of the several States and Territories of the Union for exhibition at the Paris exposition.

SEC. 5. That it shall be the duty of the Secretary of State to transmit to Congress a detailed statement of the expenditures which may have been incurred under the provisions of this resolution, together with all reports called for under section two of this resolution, which reports shall be prepared and arranged with a view to concise statement and convenient reference.

Approved, December 15, 1877.

Geo. H. Bliss, Genl Man'r

ELECTRIC PEN & DUPLICATING PRESS.

220 to 232 KINZIE ST.

Chicago, Jany 11 1878

T. A. Edison Esq.

Menlo Park, N. J.

Dear Sir:

In applying for space at the Paris Exposition the application could that they would not the application [illegible] I should not insist on over 10 X 10.

If the space could be given just as we wanted we should prefer it with an aisle on each side. As the room corners I would need four artistic posts - On these I would place the Aspirant would display & incandescent wires in different colors & make connection to apparatus - In combination with these wires in open work would have over one side the word Quadruplex, another Telephone, another Phonograph, & the fourth Electric Pen & Press - Above all in the center would put "Exhibit Edison" - I should have a counter 7½ feet on top running round the room with four openings like figure on next page. The openings should be each 2½ feet, on one counter in the center should be

up the Quadruplex in operation and on each side of it Edison Printer in operation and all other apparatus of yours pertaining to more telegraphy, including mot. graph &c. One one side of each end of counter would put a set of telephones connected up and in the center would fill in with such miscellaneous curiosities of yours can show to advantage in. Including automatic improvements &c. One side should have devoted to phonograph & two by four & one by Clock work with speakers on them to gratify general spectators - One one side there should be devoted Electric Pens & apparatus in open show. In the center Pen should be tables upon which are placed the Phonograph, Pens & Telephones to explain in detail & exhibit to parties who take personal interest & desire to purchase. The whole thing should be got up in the best artistic style. It is not probable Room that a room with aisles on four sides can be had & hence the whole idea will be doubt Room to be modified. My idea is that you should make this an exposition. Exhibit of your

Geo. H. Briss, Gen'l Man'r

ELECTRIC PEN & DUPLICATING PRESS.

220 to 232 Kinzie St.

Chicago, 187

in question proposed & also of your exhibition in operation & experiment, I will go a long way to establish for you an international reputation & to get value in marketing present & future commodity.

Respectfully

Geo. W. Reid

Cambridge Mass.

New York March 16/89

Dear Sir:

If you desire a representative or assistant at the Paris Exposition perhaps the writer may possess the desired qualifications. She is a lawyer and speaks French & German, can furnish abundant references as to qualifications and standing; will go on reasonable terms.

Address

Philip Brandon
N.Y.P.O.

Thos. A. Edison Esq
Menlo Park
N.J.

Dear Sir:

I already have a representative for the Paris Exposition yours Respy
T. A. E.

Newark, N.J. pennsylvania ave. 97 9 april 78.

Sir,

as an old professor, licentiate et lettres, of the University of France I offer, to you, my services, as translator in commercial or forensic style, or as an interpreter and guide at the exhibition of Paris, where I lived as a Student.
I have the best authentic testimonials of my services in the University of France, with recommendations of prominent men in France - and in this country.
among a great many references here are the following
Dr. Adams of the Presbyterian Union Seminary, New York.
Dr. Frenous Prime of the New York Observer.
in Newark
Dr. T. P. Wilson of the South Park Presbyt. church.
Dr. Stearns of the 1st presbyterian church
Mr. Courtland Parker, the brother of the ex governor.
My terms would be reasonable.
I might be useful for one or many firms, by clubbing.

very respectfully yours.

A. Maire.

Answer to say
should call at the Farm
to correspond with me at the Farm

Chicago Oct 18 1878

T. A. Edison Esq.
Menlo Park, N.J.

Dear Sir:

Rollo writes that Harry has dead loads of money. He has the Gramme machine, Jablochoff light and Electric Reflector &c. Harry says, may not for this country for a short stay. He has secured a concession from the Govt of a line from the Exposition to the Grounds, two miles, on which the Quad. will be written during the Exposition, also a wire of the Phelps printer and a chance for the Brooks under ground cables. Parker and Roosevelt have joined hands for a concession to lay up aerial telephone wires. They are not inclined to hold with Bailey or Harry.

Perfectly Loyally
Geo. H. Bliss
Genl Manager

Office of
Charles H. Cheever, Treas. (inc.)
32 Tribune Building
New York

T.C. Box 559

Nov 1887

My Dear Edison

Mr Cheever ~~tells~~ me he has had a call from one of McCormicks, aids, who is very much exercised for fear the Phonograph by being exhibited by Parker upon application made on that side - will not be classified under the head of American Inventions. He thinks the application should be made in N York - no matter who exhibits - & called to advise Mr Cheever - The party name is T. R. Pickering Supt. Worthy Paris Ex - He has been in France - What do you think about it - Dont let them steal any credit from us

NY Nov 13 78
Thos E. Jenkins
Desires interview
Telegr. been sick
Cordiano see E.

CUNARD STEAM SHIP

New York Nov. 13th 78

Thomas A. Edison Esq.
Menlo Park,

Dear Sir —

I should like to call to see you if you have any space minutes for one who does not visit you on business — Would thank you therefore give me time and place for an interview, before going West which will be Thursday night

Dr Thomas E. Jenkins
Secrétaire de la Société Hippothalmique de Kentucky
Commissaire des États-Unis
à l'Exposition Universelle de 1878
Membre du Jury International des Récompenses

De une Jour very Truly

Thos. E. Jenkins

Dr Thomas E. Jenkins

Secrétaire de la Société Philotechnique de Kentucky

Commissaire des Etats-Unis

à l'Exposition Universelle de 1878

Membre du Jury International des Récompenses

D
1878 Exhibitions

(Form No. 4.)

Universal Exposition of 1878, at Paris.

UNITED STATES COMMISSION.

INFORMATION FOR THE JURY.

TO EXHIBITORS.

Exhibitors will immediately fill out the inclosed, and forward to R. C. McCORMICK, Commissioner General, Room No. 24, Post Office Building, New York City.

If the spaces opposite each question are not adequate, the answers can be written on separate sheets of paper, attached and numbered to correspond.

Catalogues, price lists, and all other information published by exhibitors, should also be forwarded as above.

IMMEDIATE ATTENTION must be given to the within.

UNIVERSAL EXPOSITION OF 1878, AT PARIS.

(Form No. 4.)

INFORMATION FOR JURY, TO ACCOMPANY EACH EXHIBIT.

Exhibitors must immediately answer the following questions, as far as possible, and forward the blank to R. C. McCormick, U. S. Commissioner General, Room No. 24, Post Office Building, New York City.

QUESTIONS.	ANSWERS.
1.—Nature of the Exhibit.	Electrical Acoustic and other apparatus
2.—Number of Application.	
3.—Where produced or manufactured.	Menlo Park New Jersey U.S.A
4.—Extent and capacity of works.	Laboratory. 28 by 100 2 stories=Goods manufactured in various workshops, + countries
5.—Kind and quantity of power used.	6 horse power
6.—Number of persons employed: { Men, Women, Children,	8 assistants
7.—Extent and value of the annual production.	In excess of One hundred thousand dollars.
8.—Business, when commenced.	1869.
9.—Markets, and place of consumption.	In all parts of the world.
10.—Sources of materials used.	Air Earth and Sea.
11.—Peculiarities of the object shown, or of the manufacture. State all considerations relating to invention, discovery, utility, quality, skill, workmanship, fitness for purpose intended, adaptation to public wants, economy and cost.	This is an inventor's and not a manufacturers exhibit, and too extensive to attempt detailed information in this limited space.
12.—Special or particular claim of merit to which the exhibitor desires to call the attention of the Jury.	Originality and usefulness.
13.—What prizes have been awarded to the exhibitor at previous International Exhibitions.	For the Electric Pen - Quadruplex, and Automatic Telegraph Systems — Philadelphia
14.—State what special provision has been made, if any, for the promotion of the health, morals and education of the workmen.	Elevated location and excessive ventilation
15.—Give signature in full of the applicant for space, with place of business and date; state also Agent's name and address.	*Agent in Paris,* Geo L Beetle 9 Rue de la Bourse *Name in full,* Thomas Alva Edison *Post Office address,* Menlo Park N. New Jersey U.S.A

1878. George Place Machinery Agency (D-78-025)

Correspondence, some by Edison.

All selected.

MACHINERY, COLD ROLLED SHAFTING, &c., 121 CHAMBERS ST., &

New York, June 4 187

As soon as our books can be made up we will forward you a complete statement

Respectfully yours,
THE GEORGE PLACE MACHINERY AGENCY.
C. M. Baum

Machinists' Tools AND **MACHINERY** OF EVERY DESCRIPTION.
—PATENT—
Cold Rolled Shafting,
Couplings, Pulleys,
SELF OILING HANGERS
Tumble Emery Wheels & Mach'y.
Belting, &c.
P. O. Box 4490.

ESTABLISHED 1855.
OFFICE OF
The George Place
Machinery Agency,
121 CHAMBERS & 103 READE STREETS,

New York, Thy 7 1877

Mr Thos A Edison
Menlo Park N.J.

Dear Sir I have been unable to get to your place through a promised, but will positively call on you ~~and~~ either Tuesday or Wednesday of next week whichever day will suit you best if you will let me know by Monday which of the two days mentioned you will be at home I will do myself the pleasure of calling on you on that day.

Yours truly THE GEORGE PLACE MACHINERY AGENCY.
Per

MACHINERY, COLD ROLLED SHAFTING, &c., 121 CHAMBERS ST.,

Darlin New York, Feby 18 1877

The writer was where all the around & did not get your letter until too late & got your place today, can go there either Monday or Tuesday if you write telegraph me tomorrow which day would suit you best, will be prepared to go on that day

Respectfully yours,
THE GEORGE PLACE MACHINERY AGENCY.

MACHINERY, COLD ROLLED SHAFTING, &c., 121 CHAMBERS ST.,

Darlin New York, Feby 21 1877

I pray you do not think I am in my bed or you would have written I was before this

Respectfully yours,
THE GEORGE PLACE MACHINERY AGENCY.

Machinists' Tools
AND
MACHINERY
OF EVERY DESCRIPTION.
—SUCH—
Cold Rolled Shafting,
Couplings, Pulleys,
SELF OILING HANGERS
Vanilie Emery Wheels & Mach'y.
Belting, &c.
P. O. Box 4490.

ESTABLISHED 1855.
OFFICE OF
The George Place
Machinery Agency,
121 CHAMBERS & 103 READE STREETS,

New York, Mch 14 1877

Mr Batchelor
Menlo Park

Darlin
Will you please arrange an appointment for me with Mr Edison for any day after next Monday at Menlo Park & telegraph me at least a day beforehand & then arrange a Stenograph or as I remind Mr Edison that I will be at Theirs on that day & oblige

Yours Truly

THE GEORGE PLACE MACHINERY AGENCY.

Machinists' Tools
AND
MACHINERY
OF EVERY DESCRIPTION.
—ALSO—
Cold Rolled Shafting,
Couplings, Pulleys,
SELF OILING HANGERS
Emery Wheels & Mach'y.
Belting, &c.
P. O. Box 4499.

ESTABLISHED 1855.
OFFICE OF
The George Place Machinery Agency,
121 CHAMBERS & 103 READE STREETS,
New York, Mch 31st 1887

Thos A Edison
Menlo Park N J

Dear Sir
Will you please
telegraph me at once
upon receipt of this what
day after next Monday
you will be at home &
oblige
Yours Truly
THE GEORGE PLACE MACHINERY AGENCY.

Machinists' Tools
AND
MACHINERY
OF EVERY DESCRIPTION.
—PATENT—
Cold Rolled Shafting,
Couplings, Pulleys,
SELF OILING HANGERS
Vanite Emery Wheels & Mach'y.
Belting, &c.
P. O. Box 4499.

ESTABLISHED 1855.
OFFICE OF
The George Place
Machinery Agency,
121 CHAMBERS & 103 READE STREETS,

New York, April 8 1878

Mr Thos A Edison
Menlo Park N.J.

Dear Sir

Some of 1st April is at hand, we are glad you feel for us in the desire to pay you some money, we do so desire, but we wanted to see you as there are some things to be strengthened ere we make settlement, my desire to see you at Menlo Park was more particularly to see your recent wonderful inventions, my Phonograph & the Autograph & also to see what the devil

Machinists' Tools
AND
MACHINERY
OF EVERY DESCRIPTION.
—PATENT—
Cold Rolled Shafting,
Couplings, Pulleys,
SELF OILING HANGERS
Vanite Emery Wheels & Mach'y.
Belting, &c.
P. O. Box 4499.

ESTABLISHED 1855.
OFFICE OF
The George Place
Machinery Agency,
121 CHAMBERS & 103 READE STREETS,

New York, 187

you are going to do next, I think now that it looks as if there was going to be a great war in Europe, I would advise you to use your ingenuity, in getting up some extraordinary infernal machine that will eclipse anything heretofore invented. I know you can do it if you try, let me know when you will be home & oblige

Yours Truly

THE GEORGE PLACE MACHINERY AGENCY.

Machinists' Tools
AND
MACHINERY
OF EVERY DESCRIPTION.
—ZATENT—
Cold Rolled Shafting,
Couplings, Pulleys,
SELF OILING HANGERS
Textile Emery Wheels & Mach'y.
Belting, &c.
P. O. Box 4499.

ESTABLISHED 1855.

OFFICE OF

The George Place
MACHINERY AGENCY.

121 CHAMBERS & 103 READE STREETS.

New York, July 9 1875

T. A. Edison Esq
Dear Sir
There is some old credit to your, in mills Account, I enclose to you our acceptance Draft for $416.85
if it comes due you can use it if not return the same obliged
Yours truly
O. P. Wilkins
THE GEORGE PLACE MACHINERY AGENCY.

Accepted
[illegible]
July 10/75

Machinists' Tools
AND
MACHINERY
OF EVERY DESCRIPTION.
—ZATENT—
Cold Rolled Shafting,
Couplings, Pulleys,
SELF OILING HANGERS
Textile Emery Wheels & Mach'y.
Belting, &c.
P. O. Box 4499.

ESTABLISHED 1855.

OFFICE OF

The George Place
Machinery Agency,

121 CHAMBERS & 103 READE STREETS,

New York, Oct 20th 1875

T. A. Edison Esq
Dear Sir.
We ordered the counter shaft hangers from Mr Sharpe M.P.B. & will write for — heard as soon as received
Yours truly
O. P. Wilkins

MACHINERY, COLD ROLLED SHAFTING, &C., 121 CHAMBERS ST.

New York, Sept 26 1878

Dear Sir

Comes Shaft Pulleys &c shipped with Hyps Shafting & Coupling weight 200 lb

Respectfully yours,
THE GEORGE PLACE MACHINERY AGENCY.

Machinists' Tools AND MACHINERY OF EVERY DESCRIPTION.
—PATENT—
Cold Rolled Shafting,
Couplings, Pulleys,
SELF OILING BEARINGS
Tanite Emery Wheels & Mach'y,
Belting, &c.
P. O. Box 4409.

ESTABLISHED 1855.

OFFICE OF

The George Place Machinery Agency,

121 CHAMBERS & 103 READE STREETS,

New York, Sep 28 1878

T. A. Edison Esq

dear Sir. We are in receipt of yours including order for 1 Pair of Pulleys (12) twelve inches diameter, (4 1/4) four & one quarter inch face (1 1/2) one & half inch bore

As you do not ask for tight & loose pulleys. we have ordered them with set screws. If you need them tight & loose telegraph

Yours truly
THE GEORGE PLACE MACHINERY AGENCY
[illegible]

T. A. EDISON.

Menlo Park, N. J., Sept 30 1878

George Place machinery agency
121 Chambers st
NY

Tight & Coose
T A Edison

8 PM 1 25 Pm
9 Pm

New York, Nov 6 1879

Dear Sir:

We acknowledge receipt of your order of the 4 inst, which shall have prompt and careful attention.

With thanks, we are,

Respectfully yours,

GEORGE PLACE, MACHINERY AGENCY.

4 Nov 14. 79

Myne
Thomas A Edison
Mo

1 20 PM

The hangers are ordered direct to you from Sellers
O Vanbrunt

9 Paid
Nov 21

Machinists' Tools
AND
MACHINERY
OF EVERY DESCRIPTION.
—WITH—
Cold Rolled Shafting,
Couplings, Pulleys,
SELF OILING HANGERS
Tanite Emery Wheels & Mach'y.
Belting, &c.
P. O. Box 4499.

ESTABLISHED 1865.

OFFICE OF

The George Place

MACHINERY AGENCY.

121 CHAMBERS & 103 READE STREETS.

New York, Nov 15 1877

Thos. A. Edison Esq.
Menlo Park N.J.

Dear Sir

We send you in this letter a list which covers all the machinery received from you this year

2- Drills - 4 spindle -
3- Emery Grinders - one has no CS
5- Walthburn Lathes 10 x 38 in
2 Fitchburg Lathes 7 x 37 in
1 " " 8 x 38 in
5 " " 9 x 38 in
1 " " Pulley feed - 14 x 14½
1- Gould - Screw cutting Lathe 14 x 6

Machinists' Tools
AND
MACHINERY
OF EVERY DESCRIPTION.
—ALSO—
Cold Rolled Shafting,
Couplings, Pulleys,
SELF OILING HANGERS
Tanite Emery Wheels & Mach'y.
Belting, &c.
P. O. Box 4499.

ESTABLISHED 1855.

OFFICE OF

The George Place
MACHINERY AGENCY.

121 CHAMBERS & 103 READE STREETS.

New York, _____ *187*

1-Blaisdell Lathe 18 x 5 ft
2-Bench Milling Mchs
1-Manhattan Miller
1-Face Milling Mch
1-Milling Mch - no C.S.
1-Brainard Milling Mch
2-Belden Screw Mch
4-Pratt & Whitney Screw Mchs
1-Grinding Stone & Stand
2-Drop Hammers
2-Presses for Benches
1-Screw Head Slotter
1-Stylet Press
1-Lot of Pulleys & Shafting

Yours truly,
THE GEORGE PLACE MACHINERY AGENCY.
Per

9 Peace (155)
If for cash will accept
not without there is a difference
of 50 instead of 25 assign the

Machinists' Tools
AND
MACHINERY
OF EVERY DESCRIPTION.
—PATENT—
Cold Rolled Shafting,
Couplings, Pulleys,
SELF OILING HANGERS
Vanilla Emery Wheels & Mach'y.
Belting, &c.
P. O. Box 4499.

ESTABLISHED 1855.
OFFICE OF
The George Place
MACHINERY AGENCY.
121 CHAMBERS & 103 READE STREETS.

New York, Nov 17th 1877

Mr Thos A Edison
Menlo Park N.J.

Dear Sir

Your telegram at hand in reply would say that we have closed the trade on the two Sizer Machines. Cash on delivery will ship to day or Monday & will receive remittance for same some time during the coming week.

Yours Truly

THE GEORGE PLACE MACHINERY AGENCY.

Per

Machinists' Tools
AND
MACHINERY
OF EVERY DESCRIPTION.
—PATENT—
Cold Rolled Shafting,
Couplings, Pulleys,
SELF OILING HANGERS
Vanilla Emery Wheels & Mach'y.
Belting, &c.
P. O. Box 4499.

ESTABLISHED 1855.
OFFICE OF
The George Place
MACHINERY AGENCY.
121 CHAMBERS & 103 READE STREETS.

New York, Nov 26 1877

Mr. T. A. Edison
Menlo Park N.J.

Dear Sir

Enclosed please find our check in payt. of the following a/c

1 Pulley 16 x 4		96
2 " 12 x 6		220
1 No. 3 Styles Press		374 50
		$277 66

Please acknowledge and oblige

Respy Yours

THE GEORGE PLACE MACHINERY AGENCY.

Per

T. A. EDISON.

Menlo Park, N. J., Dec 30 1878

Mr T. A. Edison

Cant find two inch hanger with shipper rod twelve drop can you use longer drop

The George Place Mfg Co

Respd
Mr.

Machinery, Cold Rolled Shafting, &c., 121 Chambers St.

New York, Dec 13 1878

Dear Sir

There is that order for the Dynamo belts you said you would send us

Respectfully yours,
THE GEORGE PLACE MACHINERY AGENCY.

W T & Co Sydney

Will you be at home to receive a messenger immediately. He [illegible] [illegible] time

Yours

The Eagle Place Dominic Sydney

HM

To T W E

We sold the Blue wire lattice some days ago – have another in store that will suit you if you will now call on us this morning

Geo Place Mark Sydney

1878. Menlo Park Laboratory (D-78-026)

Correspondence, memoranda, some by Edison; agreements, circulars.

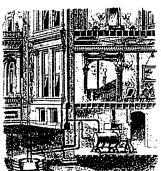
Not selected: advertising circulars and unsolicited correspondence from suppliers, except in cases where an answer has been found.

Mem. from CASSELL, PETTER & GALPIN, Publishers,

596 Broadway, New York, Jan 22 1878.

Sir would you be kind enough to tell us when and how many of Jno's Gal. Boots you sold all nicely from last No. and 3d. Yours

C. P. & G.



THE COMBINATION GAS MACHINE.

THE
CONCEDY-VERDY
GAS MACHINE COMPANY.

Factory & Office Cor. Leib & Wight Sts.

FOR
LIGHTING
COUNTRY AND
SUBURBAN RESIDENCES,
CHURCHES, CHAPELS,
SEMINARIES, STORES,
HOTELS, HOTELS,
HOTELS, HOTELS,
&c.

Detroit Mich
Jany 30th 1878

T. A. Edison Esqr
Menlo Park N.J.

Dr Sir –

Your favor of the 26th came to hand this A.M. and we are surprised to learn that you are having trouble with your Gas Machine on 8th St. As that is one of the strongest points we make for that and Machine works just as well in Winter as Summer. But of course the Pump and Pipe must be protected from the frost, and if our Mr Whitington neglected to do that he failed to do his duty. If the Water in the Pump is frozen so it is very unfortunate as it may injure it. If it is not frozen then the trouble is in the Air Pipe leading from the Pump to the Carburetter. And if that is not protected from the frost, the vapor, or air while leaving from the Pump to Carburetter has been frozen and consequently shut out your Lights. If you will examine the Air Pipe where it goes you will find – (or should find) a small Plug that can be taken out to allow you to pour Alcohol in the Pipe to clear it out in case any frost should accumulate there. When the vapor from the Pump commences to freeze it forms like a cob web, and it continues to increase & close up the inside of the Pipe, your lights begin to grow dim. That will warn you that something is wrong, & if you will then put a little warm Alcohol into the Pipe as stated

In order that we may keep our Gas Machine and Fixtures uniform, and thereby secure superior results, we have organized "The Combination Gas Machine Co." exclusively for the purpose of supplying the Combination Gas Machine and Fixtures, and all persons soliciting orders for the Gas Machine Fixtures, should be addressed to "The Combination Gas Machine Co." Detroit, Mich.
DERBY & HOOVEREE.

the difficulty will be removed & your lights will go off again all right. But if this fluid is allowed to congeal and become solid - then of course you cannot get the alcohol through & you will have to resort to some other means to throw it out. Please - try and get an injury through the pipe from the Pump to Carburetor & then have the Pump & Pipe protected and you will have no further trouble - If you do not find the Plug referred to in Air Pipe it will be a simple hole drilled in the Pipe so that you can pour into it a small quantity of Alcohol - & then have a Plug fitted to the shaft so that it can be kept tight. I think with this explanation you will be able to overcome the difficulty. But if not, please write us, and we will have our Mr. T. who is now in Perry N.Y. go to your place & put you right -

I am glad to have your opinion so well of the machine - & the defect you refer to can be very easily remedied but that it should not have occurred. - Hoping to hear from you in due time & to hear that you are out of your trouble I

Am Yours — Truly

Jas. H. Mason

Managr

The Combination Gas Mfg Co

I send you one of our catalogues & have marked out what about when the Plug referred to should be —

Rec'd 11 Feb 1884

Form 7.] [Telegraph.

PENNSYLVANIA RAILROAD CO.'S TELEGRAPH.

Received, N P Office, Sale Operator, 11 22 o'clock A.M. Friday 1878

From New yorg For T. A. Edison

Menlo Parks

I am coming Friday Eleven Train

To Examine organ answer

10 paid sig. Ro.

Filed & Mesorole
Dec 8. 1878

BRADLEY'S PATENT NAKED WIRE HELICES FOR ELECTRO-MAGNETS.

FITCH & MESEROLE,
MANUFACTURERS OF
Electrical Apparatus,
40 COURTLANDT STREET.

New York, Oct 8 1878

Mr Edison,

The balance of the Experimental coil will be finished today and left at "Sun" office Church St. – The two with 4 inch holes will be ready monday P.M.

Would have them Saturday but the machine will not run a 4 inch mandrel of the ordinary kind. will have to make one in sections which will spoil best part of a day.

Sent Murray bill for his balance $26.00 he says you agreed to settle it. Do

it is understood?
Unit was $46.00, gave
him credit for $20.00
on your a/c - bal $26.00
Yours Fitch

WILLIAMS & PLUM,
STATIONERS, BINDERS & PRINTERS,
NEWARK, N. J.

Feby 9 1878

Mr. T. A. Edison

Dear Sir.

Yours of 6th rcvd yesterday 8th,

On looking over the charges to you, we find we have sent several different weights and qualities, we think it best to send you some samples, showing the thickness & weight & the prices, those marked 12# 14# means 12 & 14 lbs to the Ream, we have lights weights 10# and 8# and cheap qualities of 10# and 12# letter, ~~we~~ send samples of 2 sizes of white Envelops and 2 qualities of cap paper with prices.

Those Papers marked (M & P) for Williams & Plum we have made expressly from retail trade, which is tough, strong, not much inclining and made out of the best stock, let us know if any of these suit and will send prompt -

Yours Respectfully
Williams & Plum

Williams & Plum
Feb 11 1878

OFFICE OF

The Rubber Comb & Jewelry Co.,

No. 5 MERCER STREET.

FACTORY,
BLOOMINGDALE, N. J.

New York, February 12th 78

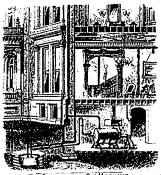
Mr Thomas Edison
Dear Sir.

We are now able to furnish Rubber Stock in large quantities at the following prices.

Sheet 80¢
Rod $1.00
Tubing $1.25
} net cash

Would be happy to hear from you soon

Yours Respectfully
Rubber Comb & Jewelry Co
per A. A. Gregory



THE COMBINATION GAS MACHINE.

THE
COMBINATION
GAS MACHINE COMPANY.

Factory & Office Cor. Leib & Wright Sts.

Detroit, Mich. May 13th 1878

T. A. Edison Esq
Menlo Park. N.J.

Dear Sir We are in receipt of letter from our Mr Wilkinson who is at present putting in Machine at Rum Duller, Warren & Co store, Troy N.Y. and he will be in you early as possible and endeavour to overcome the trouble with your Machine - Mr Wilkinson informs us that he informed you that it was necessary for you to have all sides of building containing pump, well lined with saw dust to prevent freezing, if you have neglected to take this very simple precaution we are of course not to blame in the matter, however he will see long he what the trouble is - You might if you choose get a small Bracket placed in pump house with Argand burner, and use it in cold weather, we believe it would give sufficient heat in such small space, so to prevent freezing. Did you ever have the filling in with saw dust done, we should really like to know particulars, never mind it a loss to learn the cause of the trouble

Yours truly
The Combination Gas Machine Co

To make that or any lamp use Gas Machine and Varnish beaten opaque and distinct, velvet opaque. "The Combination Gas Machine Co." *Illinois Patent Gas Machine Co.,* "*of which we are sole proprietors, and hereafter all consumers of the Gas Machine Varnish, should be addressed to* "*The Combination Gas Machine Co.*" HENRY BINGHAM.

BRADLEY'S PATENT NAKED WIRE HELICES, FOR ELECTRO-MAGNETS.

FITCH & MESEROLE,
MANUFACTURERS OF
Electrical Apparatus,
40 COURTLANDT STREET.

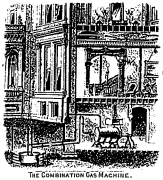
New York, Feb 15 1878

T. A. Edison Esq
Menlo Park N.J.

Please call when you for the two experimental coils 1/4 inch cores — It will take somewhere near a ton of the wire you marked "o" to make 3 ohms, — we used all we had (one coil) — The secondary here 9 rows #39 — 210 ohms

Can you do anything in way of $ for us — hard up

Yours
Fitch & Meserole



THE COMBINATION GAS MACHINE.

THE COMBINATION GAS MACHINE COMPANY.

Factory & Office Cor. Leib & Wight Sts.

JAS. H. MASON, MANAGER.

FOR LIGHTING COUNTRY AND SUBURBAN RESIDENCES, CHURCHES, PARSONAGES, SEMINARIES, STORES, ASYLUMS, HOTELS, FACTORIES, MILLS, ETC.

Detroit, Mich. Feby 19th 1878

T. A. Edison Esq
Menlo Park N. J.

Dear Sir

Your fav of 13th inst duly rec'd and we are pleased to learn that you have succeeded in overcoming the freezing difficulty, we were satisfied that the failure was not owing to any fault in the Machine, and we are glad that you have now discovered that fact. Dr you think you are sufficiently acquainted with our Machine rite according, to favor us with your opinion as to its merits, and if you could say a word in its favor for Laboratory use, we would feel obliged by your giving us a testimonial or recommend.

Yours truly
The Combination Gas Machine Co
R

In order that we may keep our Gas Machines and Works business upon a sound and liberal, we have organized "The Combination Gas Machine Co." successors to the "Illinois Pneumatic Gas Machine Co." of which we are sole proprietors, and hereafter all business matters relating reference to the Gas Machine Business, should be addressed to "The Combination Gas Machine Co., Detroit, Mich.
DERBY BROTHERS.

OFFICE OF

The Rubber Comb & Jewelry Co.

No. 5 MERCER STREET,

FACTORY, BLOOMINGDALE, N. J.

New York, Feb 20th 1878

T. Edison Esq.
Menlo Park
Rahway N.J.

Dear Sir

We learn that you are using quantities of Hard Rubber in getting up instruments &c for speaking tube & Telephones & we should be glad to furnish you with sheet or moulded stock, and feel satisfied from our large experience we can suit you in prices and and quality please send us samples to Extension

Yours truly
The Rubber Comb & Jewelry Co.
M. Wentworth
Pr

BRADLEY'S PATENT NAKED WIRE-HELICES FOR ELECTRO-MAGNETS.

FITCH & MESEROLE,
MANUFACTURERS OF
Electrical Apparatus,
40 COURTLANDT STREET.

New York, Feb 20 1878

Chas Batchelor Esq
Menlo Park N.J.

Dear Sir,

The sample induction coil received today - per your messenger coming first

1 lb Lingos Fine wire (33 Pitsburg Coil)
Lots of " Coarse (oak) Twine

If you call or send about 4 P.M. tomorrow we will have two (2) for you + balance Friday about 4 P.M. —

Yours
Fitch & Meserole

If you have more than you need please return no use - Sep 23 78

BRADLEY'S PATENT NAKED WIRE RELICES FOR ELECTRO-MAGNETS.

FITCH & MESEROLE,
MANUFACTURERS OF
Electrical Apparatus,
40 COURTLANDT STREET.

New York, Feb 21 1878

Mr Batchelor

I made quite a mistake in counting the layers of the sample spool you sent yesterday, & find it to be instead of 12 Rows Secondary & 7 Rows primary, as follows

10 Rows Secondy #33
8 Rows primary #16

Brown & Sharpe's wire gauge.

The #16 is in fact Madgauge being between #16 & #17

Very Truly Yours
F. K. Fitch
for
F & M

S. BERGMANN & CO.,

No. ~~120~~ 104 Wooster Street,

MANUFACTURERS OF

Hotel and House Annunciators and Electrical Apparatus of all kinds,

NEW AND IMPROVED PRUD'HOMME BATTERIES A SPECIALTY.

Send for Circular.

New York, February 22nd 1878

Mr. Thos Batchler.

Dear Sir

Mr. House was kind enough to draw me a description of Dial plates you have got and I told him to send the four which belong to the Lincoln Stewart Co. I will see you about the large one

Yours Respectfully

S. Bergmann & Co

Sale

EUGENE F. PHILLIPS,

MANUFACTURER OF

Reed & Phillips' Patent Finished

Insulated Telegraph Wire,

PATENT ELECTRIC CORDAGE,

PATENT RUBBER COVERED WIRE, PATENT LEAD ENCASED WIRE, MAGNET WIRE, BURGLAR ALARM AND ANNUNCIATOR WIRE, CABLES, &c.

Providence, R. I., Feb 23 1878

T. A. Edison, Esq.,

Dear Sir:

Yours of 17th rec'd No doubt the trouble is caused by action of sulphur in the rubber on copper wire getting up something different & will send you in a few days to replace those defective. If any further trouble please let us know. We are doing our best to get a perfect thing

Rest'y

E. F. Phillips

per James

E F Phillips.

Feb 28-78

Tom.

I am interested with Phillips now & if you can throw anything in our way it will be appreciated

Jas W. T.

Phila. 2/20/78

Dear Sir

We do not know where you can get such glass as you are in search of.

Yours Truly

Jas McQuiston & Co

Jas McQuiston & Co.

Feb 27.

BRADLEY'S PATENT NAKED WIRE HELICES FOR ELECTRO-MAGNETS.

FITCH & MESEROLE,

MANUFACTURERS OF

Electrical Apparatus,

40 COURTLANDT STREET.

New York, Feb 27 1878

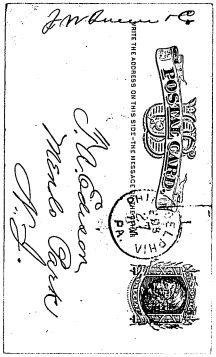
T. A. Edison Esq

Menlo Park N.J.

Dear Sir

Your favor of 25th inst regarding statement of account is to hand. Reply herewith enclosed. Bill $75.30 to March 1st. There was some other spools (furnished Bergmann) in dispute. We are willing to let the smaller drop.

We are sorry to hear the induction coils will not work – We can coat the core as around with a perfect insulating substance if you care to try one prepared in that way. Dr



Bradley tried paraffine long ago and gave it up. Paraffine, guaranteed pure, chemically, will oxidize copper wire coils sufficient to destroy their use for inductive purposes, at least such is our experience,

Yours truly

Fitch & Meaus

J. J. Crooke
Feb 28. 78
Phon

163 & 165 Mulberry Street,
New York,

Newyork Feby 28 1878

Mr T. A. Edison
Dear Sir
I am very sorry to say that I have been unable as yet to ship any of your foil orders owing to a break down — will endeavour to get them off this week.

I Remain
Yours &c
John J. Crooke
C.L.C

Eugene Phillips Providence R.I. (Mar. 5-12)

When may we expect the
wire ordered here answer immediately
per T A Edison

Nov. 4-5

From Providence

To T A Edison

wire shipped from
1st and 1st March
March 16th and must be back will start tracing to
night

Sig

E T Phillipps

Menlo Park, N.J. Mar 9. 1878

E. H. Phillips Esq

Dear Sir

Please let us know something about wire as we must order in Philadelphia unless we can know something definite at once

Respectfully Yours
T A Edison

OK

Edison.

Adams Express informs me wire was forwarded in usual time & left at pond station on Railroad in accordance with your instructions. Agent will mail postal card when wire is shipped.

Sawyer

Eugene Phillips March 11th 1878
Providence R.I.

Wire here —

~~SH~~ Edison

A sent by Batchelor OK

James Adams took these to England.
March 18th 1878
Echo Batchelor

2 Sounder brackets
2 Relay brackets
2 Bells
2 3 Cell battery battery boxes
1 Box Fluffs
1 Galvanometer
Diaphragms for Receivers
6 Transmitters
6 Receivers
1 Iron Core Receiver
1 Cut Transmitter
2 Monographs in boxes with tuning etc
1 Lot Wet Paper
Pliers, Screwdrivers, etc
8 Cords
1 - 600 ohm Coil
Diagrams of sounder + Relay brackets
diagram to work in circuit containing
Morse mats + permanent battery
also for a long ckt with permanent

MANUFACTURERS OF
Patent Insulated Telegraph Wire,
Patent Rubber Covered Wire,
Patent Lead Encased Wire,
Patent Electric Cordage,
Telephone Cords, Cables, &c.

OFFICE OF
EUGENE F. PHILLIPS,
No. 67 STEWART STREET.

Providence, R. I., Feb 22 1878

Gentlemen:

We are in receipt of your favor of the _____
with order, which shall have our immediate attention.

Mr Ray Edison Cor. Ly
Against Express today

Respectfully yours,

WM. SAWYER, *Supt. and Electrician.* EUGENE F. PHILLIPS.

Newark Mar 23/78

Mr Eddison

Dear Sir we cast
your composition order
to day it will be ready
Monday morning
Respectfully yours A. H. & Co

CHAS. H. GRAEF,

Manufacturer of

HARD RUBBER GOODS,

104 DUANE STREET,

New York March 25th 1878

Mr. T. A. Edison Menlo Park N.J.

Dear Sir, I have just received from factory the 1 inch thick rubber sheet which you ordered of me a few days ago. — As I had it made up specially for you, I do not have much pile of this very thick rubber. I would be much obliged to you, to have you have for this sheet or may I send it to you by express? — it amounts to $10.00. —

You will confer a favor by notifying me with regards, as I make out bills and had it made otherwise at all is much obliged

Yours truly

Chas H Graef

Sent COD

Thos. A. Edison Esq.

Dear Sir.

I do not understand the following

2 Mu you ordered on 27th inst.

2 Pounds 6in 2 pointed. do not see by your order 2d ax

1 " 6in #3 " " " " "

1 Gear 4 thin pointed, you did not order the cut.

Please advise the file you desire and oblige

Yours truly

M. Dickinson

37 Bremen St

N.B. Hand 10in pointed I have not any on hand

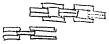
I have some 11in, 8 pointed 10in pointed.

M.H. Apr. 1. 1878

Trenton, N. J. Apr 4 1878

Thos. A. Edison Esq

We cannot make change as small as that described in your favor of 3d inst

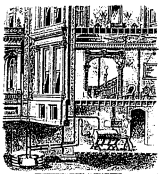


Fred J. Steele

Mng.

NEW JERSEY STEEL & IRON CO.

Per



THE COMBINATION GAS MACHINE.

THE
COMBINATION
GAS MACHINE COMPANY.

Factory & Office Cor. Leib & Wight Sts.

JAS. H. MASON, MANAGER.

FOR
LIGHTING
CHURCHES,
COUNTRY AND
SUBURBAN RESIDENCES,
HOTELS,
CHURCHES, OPERA HOUSES,
SCHOOLS,
SEMINARIES, STORES,
WORKSHOPS,
ASYLUMS, HOTELS,
FACTORIES, MILLS,
&C. &C.

Detroit, Mich. April 5th 1878

T. A. Edison Esq
Menlo Park. N. J.

Dear Sir.

We have this day shipped to your address per Express as per enclosed Invoice, the Burner which you ordered through our Agent Mr. Geo. H. Moorman. We also send you in same package "as Sample" one Burner, which we have gotten up for heating purposes thinking you might possibly find some use for it. If you will kindly test its merits, and some time at your Convenience, give us your opinion of same, we shall return it after.

We have but recently introduced them, and they appear to be favorably received and thought of by many. The screw at the bottom of Burner is the regulator by which the flame can be increased or diminished, according to the required quantity.

Yours very truly
The Combination Gas Machine Co
R

In order that we may keep our Gas Machine and Burner hereafter regularly and distinctly, we have organized "The Combination Gas Machine Co." successors to the "Illinois Portable Gas Machine Co." of which we are sole proprietors, and hereafter all communications intended for the Gas Machine Business should be addressed to "The Combination Gas Machine Co., Detroit, Mich.
BERNEY BROWNING.

MANUFACTURERS OF
Patent Finished Telegraph Wire,
Patent Rubber Covered Wire,
Patent Lead Jacketed Wire,
Patent Electric Couplings,
Telephone Cords, Cables, &c.

OFFICE OF
EUGENE F. PHILLIPS,
No. 37 CORTLANDT STREET.

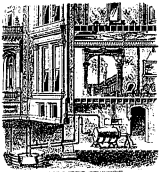
Providence, R. I. Apl 8 1878

Gentlemen:

We are in receipt of your favor of the with order, which shall have our immediate attention.

Yours Respectfully
Eugene F. Phillips
Per H. Day

Respectfully yours,
W. H. SAWYER, Supt. and Electrician.
EUGENE F. PHILLIPS.



THE COMBINATION GAS MACHINE.

THE
COMBINATION
GAS MACHINE COMPANY.
Factory & Office Cor. Leib & Wight Sts.
JAS. H. MASON, MANAGER.

FOR LIGHTING SHOPS, COUNTRY AND SUBURBAN RESIDENCES, CHURCHES, SCHOOL HOUSES, SEMINARIES, HOTELS, ASYLUMS, HOUSES, FACTORIES, MILLS, &c. &c.

Troy, Apr 10th 1878

Mr Thos Eddison
Dear Sir
I send you today by express one of our "Celestinds" which please hang in your office as per agreement. I hope it will sell as a thousand Horse Lines. I send you a circular of a Tablet Line Company that is starting here. They are going to use the Bell's Patent. I told the President it was no good;
Truly Yours
S. H. Hasserman

Cameron
acknowledge receipt of Picture & say we have hung it in our office & will call visitors attention to it.
Ed

In order that we may keep our Gas Machines and Varnish business separate and distinct, we have organized "The Combination Gas Machine Co." exclusively for the Varnish business, which we will offer all comers at $5 per gallon. We have also organized "The Gas Machine Business" under the name of "Illinois Pneumatic Gas Machine Co." which we will continue to do the Gas Machine business, and will be ready for orders about June 1st. HERBERT BROTHERS.

Office of
D.M.Meeker & Son,
FOUNDRIES,
87 to 95 Clay St. Newark, N.J.
David M. Meeker. S.J. Meeker.

Newark N.J.
Apl 20th 1878

Mr T.A. Edison
Menlo Park N.J.

Dear Sir

In reply to yrs of the 19th inst we are casting from every other day at least three weeks four times - we pour composition every day and brass for special orders of not less than 50 pounds

Awaiting your orders we are
Yours &c
D.M. Meeker & Son

New York, May 10th 1878

To Mr Chas Batchelor

I enclose herewith Sample of Paper suitable I think for your order — I will supply it to you in lots of 10 Reams so as to have 960 to Each Ream Ruled & Printed as per your Sample for $5.25 per ream Complete all bound up in nice Pads 100 in Each Pad — this is a very close price & if you send

me you adapts 12 Rm Suite
give you a good job
Less than 10 or 12 Rm will
cost you extra of course but
above $6.50 for 1 Rm of 960 sq feet

Yours Truly

J. J. Keller
411 Broadway

[ENCLOSURE]

$5.25 per Ream
for 10 or 12 Reams
of 500 sheets
96c to Each Ream

This paper will probably answer
I can give you a paper that is highly calleandered if you prefer it
W H

I Can give you this Paper if the other Sample does not suit you But this will cost you 50 Cents per Ream More than the other
I think that I can get this lighter Weight if so it will cost you about the same price as the other Sample

Providence, R. I., May 16 1878

Mr T. A. Edison Menlo Park N.J.

Dear Sir

We have your favor of 15th inst. We have no price list of screws and only make to order. Can sell you a machine so that you can make your own. See catalogue enclosed. Prices for Caliper Rule sent yesterday.

Yours Truly, BROWN & SHARPE MF'G. Co.

((Office of))

James R. Sayre, Jr. & Co.

MANUFACTURERS OF

BRICK, LIME & PLASTER

ROSENDALE CEMENT.

ALSO DEALERS IN ALL KINDS OF

MASONS MATERIALS & COAL.

FIRE BRICK.

1st Wharf below Centre St. Depot.

Newark, N.J. June 18 1878

T. A. Edison Esq.
Menlo Park N.J.

Dear Sir

In reply to your favor of the 17th inst. inquiring price of gravel, we can furnish you within a week or ten days, three car loads of white, screened gravel @ $3.50 per yd f.o.b. Cars at Kearny

If you want it immediately it would cost about $4 per yd, for the additional trouble, as we prefer to take it from vessel to cars at above price

Yours truly
Jas R. Sayre Jr & Co

T. A. EDISON.

Menlo Park, N. J. June 26 187[illegible]

Brooklyn Furniture Co
589 Fulton Street
Brooklyn

When can you send Reat. want it bad (answer) Batchelor

Chge to Batch

If there is any freight

[illegible] June 1st 86

[illegible]

[illegible]

[illegible]

T. A. Edison

July 3rd 1878

~~Sch~~ H. J. Schneider
614 Filbert St
Philadelphia Pa

~~Etc~~ "Make coil same as sample sent
Edison

~~D. A.~~

ESTABLISHED 1868.

The Combination Gas Machine Co.

JAMES H. MASON, Manager

Detroit Mich. July 16th 1878

Thos A. Edison Esq
Menlo Park
New Jersey -

Dear Sir Enclosed we hand you Statement of Account Auty & Co. which please remit at your much oblig.

What is your opinion of the sample Burner that you have reference to the one to be used for heating purposes

Very Truly
The Combination Gas Machine Co
Jas H Mason Manager

P. S.

Have you a Photo of your Residence or of your Laboratory, if so would be pleased to have it, that we may add same to the many other cuts to be included in our new Illustrated Catalogue which we are just about to issue

Newark N.J. July 17/78

Dear Sir,

We have procured for you a bar of 1½ × 1 Arbens choice steel, but find that your order calls in the place for 1 × ½ and in another for 1 × 1½. Which size do you want? If you can use the 1½ × 1 we will send it to you.

Yours &c

AMERICAN IRON WORKS.

JONES & LAUGHLINS.

Pittsburgh July 19th 1878

C. B. Harris Esq
#30 Cortlandt St New York

Dear Sir

We are in receipt of your favor of the 15th and replying would say that we do not make sheet iron thinner than #28 and there is nothing in this line thinner than #30 made here. This would of course be too thick for your use and while we know that such thin iron is made somewhere in this Country, we cannot tell you where.

Regretting our inability we are

Very Truly Yours
Jones & Laughlins
McKing

PUBLISHERS OF NEW JERSEY LAW REPORTS, SUNDAY AND CLERGYMEN.

WILLIAMS & PLUM,
BOOKSELLERS,
STATIONERS, STEAM PRINTERS, BOOK BINDERS.
FIRST CLASS BLANK BOOK MANUFACTURERS.
777 BROAD STREET.

FAIRS EXCURSIONS AND ENTERTAINMENTS.

Newark, N.J., July 19 1875

Mr. T. A. Edison -

The Scrap Books you order 10 3/4 x 8 in. is that the size of the paper, or size of the cover outside measure.
we can get them.
10 1/2 x 8 1/2 - heavy white paper
12 1/4 x 10 1/4 " " "
outside measure.
72 leaves each,
or we can get the same sizes with colored paper (3 or 4 colors). if do you not want the white.

Yours
W. H. Plum

George will get the [illegible]

WILLIAMS & PLUM, Booksellers, Stationers, Printers & Book Binders, **777 BROAD ST.,**

Newark, N. J., July 27 1878

Your order received for Envs. Slips are ready & waiting for Scrap Books, pls send them both to night

Respectfully Yours,
WILLIAMS & PLUM.

EUGENE F. PHILLIPS,
MANUFACTURER OF
PATENT FINISHED INSULATED
TELEGRAPH WIRE
MAGNET WIRE,
TELEPHONE & ELECTRIC CORDAGE.
PATENT RUBBER COVERED WIRE, LEAD ENCASED WIRE, AERIAL & UNDERGROUND CABLES & c.
W. H. SAWYER, Electrician & Supt.

Providence R. I. Aug 1 1878

T. A. Edison, Esq
Dear Sir.

We will furnish patent Tubing like samples sent you for Sixty 60 cents per foot in Silk, and Forty 40 cents per foot in Worsted
Would be pleased to receive an order

Respty E. F. Phillips
W. G.

ALLEGHENY SUSPENSION BRIDGE BUILT BY J. A. ROEBLING.

FERDINAND W. ROEBLING, Sec'y & Treas. CHARLES G. ROEBLING, Pres't.

THE JOHN A. ROEBLING'S SONS CO.

MANUFACTURERS OF

WIRE ROPE

New York: Aug 6th 1878

T. A. Edison Esq
Menlo Park N. J.

Dear Sir:

Yours of 5th inst at hand & in response thereto we mail you our latest revised price list & wire list, If you would kindly state quantity desired we would be pleased to name direct.

Hoping to have your early order we are

Yours truly
Jno A Roebling Sons Co

T. A. EDISON. 5

Menlo Park, N. J., Aug 15 1878

Mr Van Brocklin
Metn R.R.
Recd on
NY

Will not be in tonight
account of rain

Batchelor

Board

534
& 54

T. A. EDISON. No 1 2 Pm

Menlo Park, N. J., Aug 17 1878

New York 17 Chas Batchelor
Menlo Park

Van Brocklin has one room will
get another Sayo Come Down
Geo Carman

10 paid
Jy 9

469 — 6th Avenue
New York, Aug. 29/78

Prof. Thomas A. Edison,
Menlo Park, N.J.

Dear Sir:

In the letter lately in corresponding you enclosed sample of superfine Ink Lampblack, just received from the leading lampblack manufacturer in Germany. Should the sample be not sufficient to experiment with, we will be pleased to sent you a large quantity for trial; the same we write $1.25 per pound. If desirable, we shall only be too happy and pleased you with samples of anything in our establishment, comprising Paints, Oils, Varnishes, Colors, Gums, Chemicals, &c.

Your obedient Servants
Abraham Bartlett
469 — 6th Avenue

New York, September 6th 1878

Mr. T. A. Edison
Dear Sir

The price of Lead Copper Lay is $9.50.

Yours truly
Edwards Ullman

ANDREW J. CORCORAN,

SELF-REGULATING WIND MILLS,

Water Supply Materials in General. Deep Well Pumps a Specialty.

No. 76 John Street, U. S. A.

Special attention given to Foreign Shipments.

New York, Sept. 17th 1887

S. L. Griffin, Secy.
Menlo Park, N. J.

Dear Sir,

Your favor of the 16th inst. is at hand, in which you ask my lowest price for an 8½ ft. aeromotor Wind Mill, and $25.00 Pump, for Mr. T. A. Edison, and how long a time I will give him to pay for it.

In reply I will say, that I would very much like to sell Mr. Edison one of my Mills, and think he would be pleased with it. I will deliver to Mr. Edison, at cars here, one of my latest improved 8½ ft. Mill and brass Pump, No. 20, and have cars, for $105.00, satisfactory paper, at three (3) months.

Hoping this will meet approval, I remain,

Yours very truly

A. J. Corcoran

GOODS NOT INSURED, AND SHIPPED AT BUYERS RISK.

New York, November 21st 1887

Mr. Thos. A. Edison, Menlo Park, N. J.

Bought of **ANDREW J. CORCORAN,**

SELF-REGULATING WIND MILLS,

PUMPS AND WATER SUPPLY MATERIALS, &c. &c.

Net Cash 30 Days with Exchange on New York.

76 JOHN STREET.

1	8½' diam. Wind Mill #4426	95.	00	
1	Brass Pump No. 20	28.	00	
		123.	—	
	Special confidential price			$90. 00
	Paid by check Nov. 21st 87			
	A. J. Corcoran			

T. A. EDISON.

Menlo Park, N. J. Sep 28 187

no 3

Geo Carman

Care Bailey Phonograph Co

203 Broadway

N.Y.

Don't get the belting

Edison

4 P.M.

E. P. Bullard,
Dealer in Machinery,
74 Dey Street.

New York, Sept 30 1878

Mr T. A. Edison
Menlo Park N.J.
Dear Sir
Yours of the 30 at hand & noted. We have a New 10" x 24" Harris Corliss Engine see Complete with Boiler Heater & Pump never used for $1700 a Bargain to you.
Can furnish a 12" x 24" Corliss Engine used about 10 yr running now. will be replaced by a larger engine. Price $1200.
Should be pleased to have you Call & see what we have & think we can suit you. We are
Yours Truly
E. P. Bullard
Per
Wm H Harrison

T. A. EDISON.

Menlo Park, N. J., 18 7

Send three [illegible] ordered and glass for [illegible] from all immediately.

T. A. Edison

Corliss Steam Engine Company.

Incorporated, June, 1856.

GEORGE H. CORLISS, Treasurer.

Providence, R. I. Oct 5 1878

T. A. Edison Esq
Menlo Park N.J.

My Dear Sir:

I have your of the 29th ult. and regret to say that I have no illustrated Circulars or printed lists of Prices of Engines. but will be glad to give you information as required to any Price of Engine you may wish to know the price of — or any particulars of its construction

Very Truly
Geo. H. Corliss Treas

50 hp Corliss eng How much

INTERNATIONAL HOTEL,
EUROPEAN PLAN.
Nos. 17 AND 19 PARK ROW,
OPPOSITE NEW POST OFFICE.
J. VAN BRIMMER, Jun.

New York Oct 7th 1878

T. A. Edison Esq

Dear Sir — In reply to yours of this date I would say that I have not got a Corliss Engine at present But I have a very fine one built by the South Brooklyn Steam Engine Co for the New York Nicholson Paving Co & was used but a short time & is now just as good as the day it was built, its Cylinder is 15 X 24 with locomotive slides & Reich Hartoom governor, 7½ inch wrought iron shaft with a band fly wheel 12 feet diameter 20 inch face fine large copper coil heater, with all the fixtures complete it is a well proportion & well finished Engine. I will sell it complete with all connections on board Cars or boat for 800 dlls I would

be pleased to have you or how you
send some one to see this Engine
as in case it did not suit I have
some mill other of different sizes
together with a lot of Boilers & Shafting
& pulleys & hangers &c &c - would be
pleased to hear from you again
Very Respy
Geo H Gibson
14 & 19 Park Row

PS I will guarantee this Engine to
be perfect in every respect
Geo H G

Mr Geo H Gibson
14 & 19 Park Row
N York

BRASS AND COPPER ROLLING MILLS. ESTABLISHED 1848.

Office of Wallace & Sons,
Manufacturers of
Brass and Copper Goods

WAREHOUSE
89 CHAMBERS & 71 READE STS.
NEW YORK.

Ansonia Conn. Oct 9th 1878

T. A. Edison Esq

Dr Sir

Youre received - In answer to your inquiry respecting the maker of the best engine would say.
Undoubtedly Chas H. Brown Co of Fitchburg Mass build the best Engine on the face of this earth.
The brass bands around the magnets of last machine sent you are as you prefer split.

Youre Respty
Wm Wallace

Corliss Steam Engine Company.

Incorporated, June, 1856.

GEORGE H. CORLISS, Treasurer.

Providence, R. I. 10th Oct. 1878

T. A. Edison, Esq.
Menlo Park. N.J.

Dear Sir.

In reply to your letter of the 4th inst. we would say that the cut off is variable by the action of the Governor so that the full boiler pressure is brought directly on to the Piston as each charge of steam is admitted, and the volume of the steam is increased and diminished as the power required to maintain the required velocity of the Fly Wheel is varied by throwing off work or putting it on to meet the demands of the manufactory.

The closing of the valves which cut off the steam is, in our present arrangement effected by atmospheric pressure, and the apparatus is so arranged that a simple weight may be substituted in case it is desired.

The Governor is free to act as the connection with the valve is by a detaching apparatus which involves the slightest amount of force.

Our price for an engine rated at 50 H.P. at 50 revolutions, cylinder 14" diameter, 42" stroke, with a pulley

Corliss Steam Engine Company.

Incorporated, June, 1856.

GEORGE H. CORLISS, Treasurer.

Providence, R. I. _____ 187__

fly wheel, made in halves, 12 ft. diameter, 24" face, turned for belt is $2250, net cash, delivered f.o.b. here.

We furnish tracings of foundations and plans gratuitously and provide a competent man to superintend and assist in erecting and starting the engine in your factory without charge for his services, you paying his travel and board expenses.

Shall be glad to supply you with an engine.

Awaiting your further pleasure, we remain

Yours very truly,

Corliss Steam Engine Co.

per E. H. Rhyndlord

Edward P. Hampson,

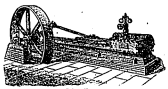
STEAM ENGINES AND BOILERS,

WOOD AND IRON WORKING MACHINERY,

SAW MILLS,

Grain Mills, Hoisting Engines, Etc.

91 Liberty Street.



New York, Oct 10th 1878

T. Griffin Esq.
Menlo Park N.J.

Dear Sir — Our "Brown" Engine of 50 H.P. is 13 inch dia of cyl & 34 ins stroke, Band wheel 10 ft dia 19 ins face. Price at Hartford $1600.

I enclose herewith indicator card just taken from one of these Engines now running at the Exhibition in Boston — I have no doubt but that if Mr Edison could see this Engine, he would order one — In workmanship & every other point it is the finest Engine made — If you need any further information or particulars, Mr Brown would be glad to call on you in person —

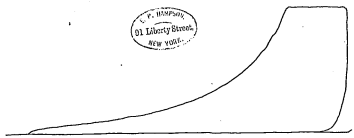
Please let me hear from you about this, also about the Boiler —

Yours Very Truly
Edw'd P. Hampson

INDICATOR DIAGRAM FROM THE "BROWN" ENGINE,

At the Exhibition of the Massachusetts Charitable Mechanic's Association, Boston, 1878.

Cylinder, 16 by 42. Revolutions, 60. Steam Pressure, ...Scale, 40.....lbs. per inch.



Built by C. H. BROWN & CO., Fitchburg, Mass.

1878

Menlo Park N.J.

Drawing on "Brown" Engine of 50 H.P. is 13 inch dia of cyl × 34 ins stroke, Band wheel 10 ft dia 19 ins face. Price at Fitchburg $1600.

I enclose herewith indicator card just taken from one of these Engines now running at the Exhibition in Boston — I have no doubt but that if Mr Edison could see this Engine, he would order one — In workmanship & every other point it is the finest Engine made — If you need any further information or particulars, Mr Brown would be glad to call on you in person —

Please let me hear from you about this, also about the Boiler —

Yours Very Truly
Edwd. P. Hampson

Office of
Wheelock's Steam Engine Works,
JEROME WHEELOCK, Prop'r,
Patent Steam Cylinder Packing,
Pistons, Elevators, Boring Machines, &c.
MANUFACTURER OF
IMPROVED VARIABLE CUT-OFF ENGINES.
STEAM ENGINES REPAIRED.
CYLINDERS RE-BORED
without removing from the bed.

THE GREAT GOLD MEDAL OF PROGRESS
AMERICAN INSTITUTE
NEW-YORK.
THE HIGHEST AWARD EVER MADE TO A STEAM ENGINE

Worcester, Mass. 10/11 1878

T A Edison
Menlo Park
N J.

My Dear Sir

I have your esteemed favor and in reply would say. I will be most happy to furnish you one of my improved engines

Would prefer to put in 14"x42" as it would work 50 HP quiet, easier and with less wear and tear of parts although a 12"x36" would work up to that of power and can be furnished somewhat cheaper. I will give you as price for 14"x42" Engine complete del'd on cars in this City $2000.— including the time of man required to set up and start same. Please let me hear from you more in detail as to power wanted

Very Truly Yours
Jerome Wheelock
Pres Prop'r Sole Manufr

"TRADE MARK"

NATIONAL TUBE WORKS COMPANY

164 & 166 JOHN ST. NEW YORK.
5 DAVENTON ST. BOSTON.
MCKEESPORT PA.
PITTSBURGH, PA.
116 LAKE ST. CHICAGO.

WORKS AT BOSTON, MASS. & MCKEESPORT, PA.

MANUFACTURERS OF

STEAM & GAS PIPE.

TUBING & CASING FOR ARTESIAN, OIL & SALT WELLS.

LAP WELDED IRON BOILER TUBES.

INDESTRUCTIBLE ENAMEL PIPE.

MACK'S PATENT INJECTOR.

Boston Oct 11th 1878

Mr T A Edison
Menlo Park N J.

Dear Sir

Yours favor of 10th duly received, What is the size of Boiler you will require, or how many 16 ft we have 2 or 3 5th hand boiler, which we could see cheap

Yours Truly
Natl Tube Wks Co
per L M Trunk

New Haven Oct. 11. 78

Mr T. A. Edison
Dear Sir!

I sell clean Bristle at the rate of $1.50 per pound.

Very respectfully
Yours
L. Streitmüller

S. P. HILL, MANAGER
H. H. BURGESS, CONSULTING
Rustom & Colorado
RICHARD PEARSE, MANAGER
SMELTING COMPANY

Black Hawk Col. Oct 12 1878

Prof T A Edison

Dear Sir

Yrs of Oct 9th is at hand.

We cannot furnish Tellurium in either large or small quantities - It occurs in small quantities and in combination with gold - The tellurium is all locked under one more of treatment

Yours H. H. Burgess Agt

THOS. FLETCHER, F.C.S.,
MUSEUM STREET,

WARRINGTON, 12/1878

MEMORANDUM TO Mr Armand

14 OCT 78

Dear Sir The goods on p. ordered will come on Monday. I was surprised because the order as Mr Edison tells me is buy by furnaces in hundreds of places in the States & I never received an order direct. They are more largely advertised in America than they are here & are smart people as common there. Yrs Thos Fletcher

Pr Wells Fargo & Co
Bills of lading will be sent by

MEMORANDUM.

New York, Oct 12 1878

To Prof Thos Edison
Menlo Park
N.J.

From the

Buckeye Engine Co.

EXPERTS IN STEAM ENGINEERING.

87 Liberty Street,

WM. LEE CHURCH, GEO. A. BARNARD, } Managers.

NEW YORK.

Dear Sir— We learn you propose putting in a larger engine, and would be glad to submit our specification & estimate with guarantees for any thing you may require.

If you visit the Am Institute please examine our 20 & 80 h.p. engines on exhibition.

Very Respectfully Buckeye Engine Co
Per Geo A. Barnard

To Thos A Edison
Menlo Park N.J.

L. F. HAMPSON,
91 Liberty Street,
New York.

SPECIFICATION

FOR

Babcock & Wilcox Water-Tube Boiler

OF 75.

HORSE POWER.

L. F. HAMPSON,
91 Liberty Street,
New York.

L. F. HAMPSON,
91 Liberty Street,
New York.

Sections. The boiler to be composed of 6. sections or slabs, each section to be composed of 7. best lap-welded wrought iron tubes, 4. inches in dia.

Uptakes. and 16. feet long, connected at the ends by cast headers or "uptakes," each cast in one piece; the tubes to be fastened therein by being expanded into bored holes.

Handholes. The "uptakes" to be provided with handholes placed opposite each end of each tube, the joints to be made tight without packing of any kind: these handholes to be of sufficient size to permit the removal and renewal of a tube through the same. The

Mode of Connection several sections to be connected at each end to a steam and water-drum, and at one end with a mud-drum, by means of lap-welded wrought iron tubes, 4 inches in diameter and of suitable length, also expanded into bored holes. No screwed or packed joints to be used in the construction.

Steam and Water-drum. The steam and water drum to be 36. inch in diameter and 16. feet long, made of best hammered charcoal iron 5/16" thick longitudinal seams to be double riveted; the heads to be turned in lathe, and rivet holes

Manhole. drilled. To have one manhole in front head, with faced joint, and two nozzles, one for safety valve and one for taking off steam.

Mud-drum. The mud-drum to be of cast iron, 18. inches dia. and 46. inches long, with manhole and separate nozzle for blow-off pipe, 2. inch dia.

Supports. The boiler to be suspended from 9" wrought iron compound beams, resting on 9" wrought iron columns, with cast iron bases and caps, properly fastened so as to be supported entirely independent of the brick work, and to be free to expand or contract without

cracking the same, and so that the brick work may be removed and replaced, if required, without disturbing the boiler or its connections.

Front. The front to be of cast iron, full width and height, of an ornamental pattern, containing fire door with register – drop dead plate – ash pit and a large door for access to the ends of the tubes. All parts to be ample in strength and well fitted.

Fixtures. The fixtures to consist of a full set of approved grate bars, with bearers, dead plate and girders, 2. sets of flame bridge plates with bolts, and special fire brick for lining the flame bridges. Bridge wall girders and bars, 2. binders and bolts, 1 ash and 3. cleaning doors for access to the exterior of tubes and the flues for cleaning. 1. damper with frame, and the requisite I and T bars for openings in walls; smoke chamber T's and anchor bolts for front, and also a set of steel wrenches fitting the hand-hole nuts.

Valves, &c. The boiler to be provided with one safety valve 4. inch dia. a steam gauge (Bourdon with Lane's improvement,) 12. inch dia. Engraved dial, mounted on ornamental stand. 1 stand pipe fitted with large sized glass water gauge, and three patent gauge cocks with lifting handles; 1 check valve, 1½. inch dia., 1 stop valve 1½ inch dia., 1 blow-off valve 2½ inch dia, 1 stop valve 1 inch dia., with hose and nozzle for blowing dust from exterior of tubes, and necessary pipes and fittings for fixing all the above to the boiler.

Testing. The sections and mud-drum to be tested and made tight under a hydraulic pressure of 300 lbs. per square inch, and the steam and water drum to be tested and made tight under a hydraulic pressure of 150 lbs. per square inch.

Quality. All materials and workmanship to be first-class in every particular.

Plans. Full drawings and directions for erecting to be furnished. also competent man & all iron work and foundation openings.

Delivery. The boiler to be delivered F.O.B. on N.J.

Price. for the sum of Sixteen hundred dollars. (1600.00) dollars, payable one half on ~~delivery~~ & one half on completion

30 Courtlandt St., New York, Oct 12th 1876.

L. P. HAMPSON, 91 Liberty Street, NEW YORK.

Babcock & Wilcox
per Arthur W. Pratt.

L. P. HAMPSON, 91 Liberty Street, NEW YORK.

16 Rec'd Oct 14 98
12 00

Newark
Oct 14th/98

Mr Batchiser
Sir

The conversation we had the other day with respect to the Masonry you can get as many as you require in Newark the Bearer of this is a thoroughly workman and I think if you should want some Masonry he would be able to work them out for you he did a small job for Mr Tarrier last fall

at the house building
the range up —

Yours Respectfully
A. J. Pillsbury

acknowledge the
receipt of $12.00
yesterday Oct. 23rd/72

BRASS AND COPPER ROLLING MILLS AT ANSONIA, CONN. ESTABLISHED 1849.

Office of Wallace & Sons,
Brass & Copper Manufacturers.
89 Chambers and 77 Reade Sts.
New York, Oct 4th 1878

REPRESENTED BY W.T. HUNDERFORD.

Mr T. A. Edison
Dear Sir
Enclosed please find Invoice of Wire forwarded in answer to your order
We trust the same will open satisfactorily,
Soliciting a continuance of your esteemed favors, which will always receive our careful personal attention,
We remain
Yours Truly,
Wallace & Sons

New York Oct 14th 1878

To
Prof. Thos Edison
Dear Sir

We propose to furnish you a Buckeye Automatic Cut-off Engine - 12x30" - complete, with outer pedestal - fly wheel, governor & balance of size required (standard size 8 ft diam 15" face) anchor plates & bolts, graduating oil cups & cylinder lubricator. We will also furnish one Worthington boiler feed pump, one feed water heater & we will further provide all the necessary valves & pipe connections for steam, exhaust, & boiler feed.

We will deliver the above on your premises at Menlo Park, & erect the same in complete running order on foundations to be prepared by you from plans furnished by us, & under our superintendence.

We specifically guarantee said engine as follows
1st - to develope a nett transmitted power from belt of 50 HP (being 60 Indicated HP) on 80" diam at 1/5th cut-off, with an economical capacity to 75 transmitted HP at 3/10 cut-off.
2d - to develope said power (50 to 75 HP) on 3# coal per HP per hour - (with a probable result as low as 2 9/10 # coal per HP)
3d - to maintain the speed constant - within a maximum variation of 2 % of nominal speed, under the most sudden or extreme changes of load within its maximum of 75 HP.

11th to give satisfaction in smooth running & general operation.

Under the above guarantees we will give you three months use of said engine from date of erection, when if each & all of our guarantees are fully met, you shall accept said engine & pay therefor the sum of $1430.00 in full for all the work specified in this proposal.

Should we fail in the performance of any of our guarantees, we will remove said engine on demand by you, without recourse & at our expense.

We can furnish the above erected complete ready for steam in ten days from receipt of order, if said order is placed with us in one week.

Respectfully Submitted
Buckeye Engine Co
per Wm. Lee Church
Manager & Engineer

Should you prefer we will rent you our engine & heater for the sum of $300 per annum, you to pay freight on same from New York & to furnish the necessary pipe connections & steam pump. You shall have the option of purchasing as per above proposal at any time upon payment of rental pro-rata to time of such election to purchase.

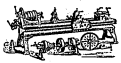
Buckeye Engine Co

The above proposals are strictly confidential.

T. A. EDISON. / 1150

Menlo Park, N. J., Oct 15 1878

Mr Jno
T A Edison Mno
Can ship Engine today
don't close till you hear
no
Buckeye Engine Co
10 pais
Ag.



Edward P. Hampson,

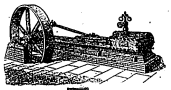
STEAM ENGINES AND BOILERS,

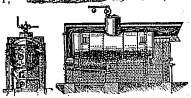
WOOD AND IRON WORKING MACHINERY,

SAW MILLS,

Grain Mills, Hoisting Engines, Etc.

91 Liberty Street.





New York, Oct 15 1878.

Thomas A. Edison Esq
Menlo Park N.J.

Dear Sir: Please do me the favor not to mention the price at which I sold you the Brown Engine, this will be to your interest, as well as mine, in case you wish to dispose of it - $2500 is as low a price as we care to make for this size: The man I wrote to about your Hydraulic Press, wants to know how much pressure you want, and the nature of your work, says he can't tell what you want without more information - The plan for your Boiler & Engine House is well along, and expect to call on you with it in a day or two - I will call on you again or send some one to see you about the other Pump - I have some nickel plated shafting would like to have you see - I have written to the Mason, I will see Mr Kinney - Please call when you come to N.Y.

Yours truly E.P. Hampson.

T. A. EDISON. 1 11 Ven

Menlo Park, N. J. Oct 16 1878

My 16 Thos Davis
Yes
Get honeybrook egg
Pipe will be out
tomorrow morning
with House plan
E P Hill pos.

12 paid
J-G

EASTERN OFFICE
—OF—
The Buckeye Engine Company,
EXPERTS IN STEAM ENGINEERING,
The Celebrated Buckeye Automatic Cut-off Engines,
CONDENSERS, BOILERS, AND FIRST-CLASS MACHINERY ONLY,
Wareroom, 87 LIBERTY STREET.

Automatic Engines,
Condensing Engines,
Throttling Engines,
The Thompson Indicator.

WM. LEE CHURCH, M. E.; GEO. A. BARNARD, M. E.; } Managers.

New York, Oct 17th 1878

T. A. Edison Esq
Dear Sir

Would suggest that both engines be placed in a wing built out from the side of the shop - since if Bowers Engine is placed in the building it will be over-hung the line shaft - that the belt will be too short to drive well which will be to your & his disadvantage. It would also be well to place your boilers as near the engines as possible as every extra foot of pipe means loss from condensation & friction - I enclose a sketch (Your Mr Griffith is this moment in & I have explained it to him)

We got last night - 109 HP on the 14"x20" at the Fair! This refutes Mr Hampson's statement that we overrate our power. We have also this morning an order for a pair of high speed engines of 1000 HP for one of the largest factories in the country, which shows how we are estimated among those that know. They replace a pair of Corliss Engines. I read with some amusement Prof Edgerton's criticism on you in this morning's Herald! Don't be discouraged! Please feel at liberty to consult with me at any time as I am quite enthusiastic in this matter

Yours &c
Wm Lee Church

WILLIAM LEE CHURCH, C. E.
Constructing Mechanical Engineer
EXPERT IN STEAM ENGINEERING,
ENGINEER IN CHARGE
Buckeye Engine Co's Agency, NEW YORK.
87 LIBERTY STREET.

T. A. EDISON.

Menlo Park, N. J., Oct 18 1878

Manning Freeman
Metuchen NJ

Send with next load of
lumber one barrel of
Cement

T. A. Edison

T. A. EDISON.

Menlo Park, N. J., Oct 18 1878

C H Brown Fitchburg
Mass

Telegraph immediately size
of Fly Wheel length and
breadth of Engine

T. A. Edison

11 N H

11 30
8 11 J

T. A. EDISON.

Menlo Park, N. J., Oct 18 1876

Fitchburg Mass 18

T. A. Edison Mo

Ten feet six inches by twenty three feet three inches over all
Wheel twelve feet diameter
twenty five inch face

C H Brown & Co

20 paid Rec. 9.

LEHIGH & WYOMING COAL COMPANY

MINERS AND SHIPPERS OF

LEHIGH AND WYOMING COAL

CORNER COURTLANDT & NEW CHURCH STS.

G. B. Newton Genl

New York Oct 18 1878

T. A. Edison Esq
Menlo Park N.J.

Dear Sir Your favor of the 16 inst duly to hand and in reply I would say that we donot mine the Honey Brook bed. but our Spring Mountain bed is the same kind of bed mined out of the same basin of Coal at at least equal to Honey Brook in quality & preparation. We could send you this at $4.86 in Cars at your station. We also have several other varieties of bed at the same price. Hoping to receive your order. I remain

Yours Truly

G B Newton Genl

Pennsylvania Railroad Company.

Station,

Oct 18 1878

Mr Batchler
Dear Sir
the Fishers Brick is satisfactory in every respect — it now remains for you to make your arrangement
Respectfully yours
Theo Scott

Menlo Oct 18th 1878
Shall I go on and furnish them at the price & terms spoken of between myself & Mr Edison & yourself. Send for Mr.
Yours truly Manning Freeman

T. A. EDISON.

Telegram

Menlo Park, N. J., Oct 19 1878

Manning Freeman Esq
Metuchen N. J.

We must have some brick here Monday morning five masons waiting for them

Can you send thirty five frames twenty four feet long three by ten immediately

Edison

2.10 P.M.
E. C.

T. A. EDISON.

Telegram

Menlo Park, N. J. Oct 19 18

Manning Freeman
Metuchen
NJ

Send sure two loads
brick from your yard
this afternoon this is
very urgent Edison

2.30 PM
E.

NOTE

To T. A. Edison

FROM. GEO. E. GOURAUD.
6 LOMBARD STREET E.C.
LONDON 19 Oct 1878.

Gas Furnace - this has been shipped -
Herewith are the papers -
I debit you £4. 5. 0 as per a/c.
also - freight £0. 15. 0 "
and cost of Port 3. 9
office order
£5. 0. 0

WILLIAMS & PLUM,
STATIONERS, BINDERS & PRINTERS,
NEWARK, N. J.

October 21st

Mr. Edison
Dear Sir
we can
furnish boxes for
the 10 in 1000 in bards

Williams & Plum

T. A. EDISON.

2

Menlo Park, N. J., Oct 21 1878

E P Hampson 91 Liberty St NY

We want the elevation of building at once

T A Edison

8 St

21 jw

T. A. EDISON.

1

1/6

Menlo Park, N. J., Oct [illegible] 1876

11/22

T A Edison

(Wallace has no coned wire in

G E Carman
267 Bway

12 Paid
wg

T. A. EDISON. 1

Menlo Park, N. J., Oct 22 1878

Mr E. Clapman
Springfield Mass

Get it at Tillotsons

Edison

4 PM

gpo 11½ am

T. A. EDISON. 3

Menlo Park, N. J., Oct 22 1878

Eugene Phillips
Providence

Please send ^ nine one hundred pounds No Eight Cotton Covered copper wire telegraph When shipped

T A Edison

1515 PM

gpo
9/Wm

T. A. EDISON.

Menlo Park, N. J., Oct 22 1878

Manning Freeman Mitchell
NJ

Order for brass shoes have been fifty three, twenty four feet long & Eight, thirteen feet long

T A Edison

10-55 AM
9 C

T. A. EDISON.

Menlo Park, N. J., Oct 23 1878

Manning Freeman Mitchell

What about window sills send brick faster

Edison

10 09 PM
9-50 C

T. A. EDISON. / N Brunn

Menlo Park, N. J., Oct 23d 1878

Chas Pratt & Co
Pearl st NY

Send barrel of Radiant Oil same as sent to Batchelor
Menlo Park
T. A. Edison

11 AM

2 20 PM
EJP Rec'd to New Brunn

T. A. EDISON. /

Menlo Park, N. J., Oct 23d 1878

E. P. Hampson 91 Liberty St NY
Does you want to know whether you want a foot more on the L or not answer immediately
T. A. Edison

17 AM
Qdt

3 06 PM

T. A. EDISON. 3 4 40 pm.

Menlo Park, N. J., Oct 23 1878

T A Edison

No change required
in plan of building

E P Hampson

THt
4 40

T. A. EDISON. 3

Menlo Park, N. J., Oct 23 1878

E P Hampson
91 Liberty St NY

Disregard to days letter about
smoke stack let it come

Edison

9 Pt

4 50
9 40

SAVARY, YOUNG & Co

and at
4 Lombard Street
Newcastle on Tyne.

39, Lombard Street,
London, E.C.
23 1878

James Adams Esq
6 Lombard St

24 OCT 78

Dear Sir
In reply to your
enquiry we have pleasure
in quoting you for Chemicals
& shall be happy to quote
for any in particular

Sulphate of Copper from
£18/-/- per ton

Yours obediently
Savary Young & Co

SOLE AGENTS FOR
W. COSSAGE & SONS.
SILICATE OF SODA

19 & 20, Water Lane
Tower Street E.C.

23 Oct 1878

Mr T A Edison
6 Lombard St

Dear Sir

In accordance with the request in your letter of 22nd inst we herewith hand you our Price list at the same time calling your attention to the fact of these prices being for large quantities. The articles you require will probably not all be consumed but we shall be happy to quote you for them as also should appreciate.

We are Dear Sir
Yours very truly
W Cossage & Sons
Wm Cossage

Taken Oct 23. 78
W Cossage & Sons
Chemicals

M. A. REED & Co

Enclosure.

12, Fenchurch Street,
London, E.C. Oct 23rd 1878

Thomas A. Edison Esq
Edison Carbon Telephone
Lombard St. E.C.

Dear Sir,

We are favoured with your letter of yesterday; if you will please acquaint us with the Chemicals and other articles you require, we shall be happy to give You Quotations; we shall be issuing our your usual monthly lists in a few days when we will send you one, meanwhile we send You an old one, so that You may have an idea of some of the articles in which we deal

Yours faithfully
M. A. Reed & Co

Jones & Lamb Esq

London Oct 23. 78
Chemicals
M A Reed & Co

WILLIAMS & PLUM, | Booksellers, Stationers, Printers & Book Binders, | 777 BROAD ST.,

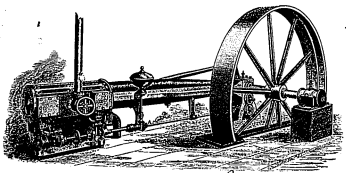
Newark, N. J., Oct 24, 1878

Your order received for Note Heads.

Do you want them ruled? We did not estimate to rule them, will cost 50 cts extra. on entire job. An early reply will oblige

this sheet was not ruled. Respectfully Yours,

WILLIAMS & PLUM.



C. H. BROWN & CO.

Manufacturers of

AUTOMATIC CUT-OFF

STEAM ENGINES.

Works Main Street.

Boston

Fitchburg, Mass., Oct 24th 1878

Mr. Edward P. Thompson

Dear Sir

The Enclosure herein is the Fair Opinion of Mr. Chas. W. Hayward which leads them to suppose a Claim has arrived a Brown's Automatic Cut-off Engine 12x24 to run in experimental Laboratory in comparison with a 18x42 Liberalin. Valve Gear. Now if any are trying a fair against us in any dishonest manner, and if so has you made us aware their Engine is correct, we shall ask them to take down their Engine, or we shall publish the facts throughout the papers as the course they are taking is tending to injure us temporarily. So we wish you would give us all the facts in reference to the matter and shall act as they would to you. as we do not wans to make any statements that we are not able to back up. Please answer to us at the Town in Boston

Yours respectfully

C. H. Brown & Co

T. A. EDISON. 3

Menlo Park, N. J., Oct 26 187

Barnard Eaton
Grieve & Morgan Sts
Jersey City
N. J.

Fill the order for windows & doors complete as left by your Mr Carman

T. A. Edison

1X N A

8.55 Am
9 Dr

T. A. EDISON. (Oct 26 1878) 1250

Menlo Park, N. J., 187 8

N Y 26 Thos A Edison

Man to set boiler will be out monday. Be ready to have everything ready

E P Thompson

14 pd
Dr 9

6

T. A. EDISON.

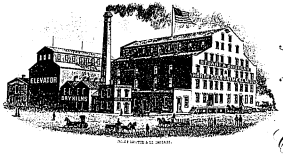
Menlo Park, N. J., Oct 26 1878

E P Hampson
91 Liberty St
NY

Dont send man to set
boiler till we notify you

Edison

10 AM
1:30 PM.
9 AM



NORTH STAR MILLS.
STUART & DOUGLAS
MANUFACTURERS OF
NORTH STAR OATMEAL
PEARL BARLEY AND SPLIT PEAS.

Cedar Rapids, Iowa. Oct 28th 1887

T. A. Edison, Esq.
Menlo Park, N. J.

Dear Sir,

Your name has been given me by the Combination Fire Machine Co of Detroit as of our using their machine.

We would thank you for any information you may give us regarding its safety and economy.

An early reply will oblige

Yours Respectfully
Stuart & Douglas

T. A. EDISON.

Menlo Park, N. J., Oct 25 1878

Geo Carman
Will call at Mr Rochesters
Office W U Tel Co
NY

Please be at Chemo office
two P.M. want to see you

S. L. Griffin

10 paid 2 99

10 5 9 Lm

T. A. EDISON.

Menlo Park, N. J., Oct 25 1878

Manning Freman Metuchen N.J.
We are out of line
entirely

Edison —

E. A. H.

C Tel
2 55 pm

T. A. EDISON.

Menlo Park, N. J., Oct 29 1876

Manning Freeman
Metuchen N.J.
Send four flag stones
by one of teams eighteen by
twenty four not less than
three inch thick
Edison.

3:00 pm
EC

T. A. EDISON.

3

Menlo Park, N. J., Oct 29 1876

To Babcock & Wilcox 30 Cortlandt St N.Y.
x Send the Beam, Carriers, Ripples or sections
not here
x Wolfenden

1254

Edison

4 PM
EJM

T. A. EDISON. 4

4:30 P.M.

Menlo Park, N. J., Oct 29 1876

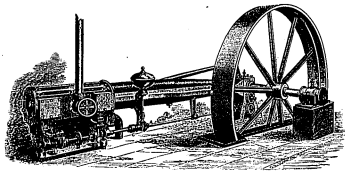
N Y Eng
Edison Lmd

Tell Wolfenden to go Cincinnati
and get forms duplicated

Babcock and Wilcox

10 X 8 Amerotype

Ans.



C. H. BROWN & CO.

Manufacturers of

AUTOMATIC CUT-OFF

STEAM ENGINES.

Works Main Street.

Fitchburg, Mass., Oct. 30. 1878

Thos. A. Edison Esq.
Menlo Park
N.J.

Dear Sir

Your favor of the 25th inst. relative to boiler, we would be a good answer. We had it set down in our catalogue and so quoted the position is 65 ft. high, 4 feet wide & does the work nicely weighing 2400 lbs.
It can be purchased now for 450 dollars
It can be shipped immediately or as at the close of the Exhibition
It is an excellent boiler and can be viewed to any anything you might want is.

Respectfully yours
C. H. Brown & Co.

Fitchburg Mass
Oct 30 76

C A Brown Jr
regarding bills

and Nov 1 76
Cancel him what this
40 % his wrongdoing from

T. A. EDISON.

Menlo Park, N. J., Oct 30 1876

Tom Dunn Uniontown

Come with long wagon — 9 o'clock am

Edison

1 PM

T. A. EDISON. 5

Menlo Park, N. J., Oct 30 1876

Babcock & Wilcox

30 Courtland St

NY

~~[illegible]~~

Wolfenden

Diregard postal

Card regarding

brick

Edison

6 PM

5-15

by Mu

Established 1821.

Box P. O. 2099.

Rosengarten & Sons,

Manufacturing Chemists,

Philadelphia Oct. 21st 1878

Mr. T. A. Edison

Menlo Park N.J.

Dear Sir

Your telegram is at hand, we regret to have only 1 lb Acetate of Mercury on hand this afternoon & we have sent it by express with Bill C.O.D. as requested; we will have more made at once & send you the other pound in a few days.

Yours Respy

Rosengarten & Sons

EASTERN OFFICE
—OF—
The Buckeye Engine Company,
EXPERTS IN STEAM ENGINEERING,
The Celebrated Buckeye Automatic Cut-off Engines,
CONDENSERS, BOILERS, AND FIRST-CLASS MACHINERY ONLY,
Warerooms, 87 LIBERTY STREET.
WM. LEE CHURCH, M. E. ; GEO. A. BARNARD, M. E. } Managers.

Automatic Engines,
Condensing Engines,
Throttling Engines,
The Thompson Indicator.

New York, Oct. 31st 1878

Thos A. Edison Esq
Menlo Park N.J.

Dear Sir

Yours of 29th at hand — Your understanding of our proposal is entirely correct — I had supposed you would be willing to prepare the foundation for it & as at the time of my proposal I had supposed that it was to go in one of the shops I had not contemplated putting up a building over it. If you will furnish these two matters — we shall of course be glad — but if not — it is all right any way & we will furnish them — The purchase of the engine in the future is entirely optional on your part — you are in no way bound to keep it

You of course understand that what we are after is the benefit of a competitive trial with Brown under a fair & rigid expert test. From present appearances we anticipate it & Brother Brown dreads it. (or calamity!)

Yours Truly
Wm Lee Church
Manager

T. A. EDISON.

Menlo Park, N. J., Nov 1 1878

Dear Thompson C.
Be sure to ship
power in time
today Harriet
will be yet
13 D
Edison
11 30 Tom
Edi

The Singer Manufacturing Company,

Elizabethport, N. J., Nov 2nd 1878

Mr T. A. Edison
Dear Sir,
We have two Lathes for Bench Legs. One to stand against the Wall, and the other to stand out on the Floor. We will loan you either of them, if you will inform us which you prefer.
Yours Truly,
The Singer Mfg Co.
J. Miller Supt

MICA ROOFING COMPANY,

MANUFACTURERS OF

ROOFING MATERIALS

Coal Tar, Products Building Paper and Carpet Lining,

No. 73 MAIDEN LANE.

WM. H. H. CHILDS, Proprietor.

New York, 2d Nov 1878

Mr T. A. Edison -

Dr Sir -

We will agree to Roof your new Buildings at Menlo Park with three thickness of felt "each lap stuck with Cement" Red & White Sea Brick Gravel - Best material & workmanship We warrant the roofs for 5 years - for the sum of 4½ cts per Square feet. or $200.00 pr m - Say two thousand dollars. Or we will furnish you with Either one or 2 or 3 ply felt. at 125 & 175 per Roll of 100 sq ft. less 10% on the price - or the Roll of felt - Very Truly yours

Mica Roofing Co.

per E. L. Pierson

Dr's of Buildings not to exceed 45. Roofing Squares -

T. A. EDISON.

Menlo Park, N. J., Nov 4 1878

Dear Jennie

Tellurium	1 oz.	80s
Thallium	2 oz.	20s
Magnesium	6 oz	60
Aluminium	1 lb.	72
Ruthenium	1/4 oz.	150.
Rhodium	1 oz	126
Iridium	1 oz	72
Palladium	1 oz	126.
Phosphorus		
Platinum		alloy.
Gold	1 oz	95

T. A. EDISON.

Menlo Park, N. J., 187

Arsenic	1. lb.	3s 6d
Bismuth	3 lbs.	30s
Cadmium	3 lbs.	36
Chromium	1. oz.	
Zinc Chempure	6 lbs.	48

T. A. EDISON.

Menlo Park, N. J., ... 187

20 00
5 00
15 00
18 00
37 90
32 00
14 00
32 00
25 00
4 00
7 50
12 00

Platinum alone — 231 00
10 per ct platinum — ~~[illegible]~~
20 per ct " " — ~~[illegible]~~

231,00
Platinum 78 55
10 pct Iridium 11 3 97,02
" " 20 " " 107,89
" " 40 " " 128,57

64313

T. A. EDISON.

Menlo Park, N. J., ... 187

10 pc.

11 9 " 12 . 6			
10 1 1/10 Iridium alone 9 . 12	3 " 19 . 2		19,20
9 2/20 Platinum 1 . 12 . 6	16 . 1 . 4		44,82
20 2 2/20 Iridium 3 . 12	7 . 18 . 4		38,02
8 8/20 Platinum 1 . 12 . 6	14 . 6 . 0		60,34
40 4 8/10 Iridium	18 16 . 8		47,04
6 4/10 Plat.	10 . 14 . 6		67,63

Platinum Iridium alloy 20 per cent Iridium.

Duplicate order.

Platinum Iridium alloy 10 per cent.

Duplicate order.

And if you can give us wire & sheet with greater percentage of Iridium, make another strip of the highest amount.

Should like sample of small wire of Osmium Iridium

Additional.

3 oz platinum block 1 oz Rhodium block
1 oz Iridium block, 1 oz Chloride Iridium
1 oz Osmium block 3 oz chl Platinum
1 oz Iridosmine

T. A. EDISON.

Menlo Park, N. J., 187

Platinum.

1 oz. wire.	.003	thick.	sheet		
1 oz wire	.002	"	1 oz. sheet.	.0005	
1 oz "	.001	"	1 oz "	.0003	
1 oz "	.004	"	1 oz "	.0001	
1 oz "	.005				
1 oz "	.01				
1 oz "	.02				

Platinum Iridium Alloy 10 per cent Iridium

1 oz wire.	.003	thick	1 oz sheet	.0005
1 oz "	.002	"	1 oz "	.0003
1 oz	.001	"	1 oz	.0001
1 oz	.004		1 oz	.001
1 oz	.005			
1 oz	.01			
1 oz	.02			

[November 4, 1878]

Dear Sir.

Would like to mail you prices for Steam Pump for your new boiler & Fire purposes – if you will please inform me the Horse power of the Boiler

Respectfully Yours

S. Wilson Engineer

Room 23 137 Broadway New York

T. A. EDISON. 1 1006 Ann

Menlo Park, N. J., Nov 4 1878

N.Y. 4.

T A Edison mc

Set doors in boiler, walls as per plans for building and not inside walls

Babcock & Wilcox

15th May

T. A. EDISON. 2 237

Menlo Park, N. J., Nov 4 1878

N.Y. 4

Thomas A Edison Menlo Pk

Follow the plans throughout for boiler setting

E.P. Hampson

7th WRZ

T. A. EDISON.

Menlo Park, N. J., Nov 4 1878

Manning Freeman
Mechanism
and down
plank immediately or men will
have to stop work

T A Edison

249 pm
9 c

T. A. EDISON. 2

Menlo Park, N. J., Nov 4 1878

Barnes & Evans
Greene St Jersey City
when wire rear of window
frames he sent — men are
waiting — answer free
T A Edison

13 DN 5 pm
9 RC

T. A. EDISON. 3 4 PM.

Menlo Park, N. J., Nov 4 1878

3 Jersey City 249 4

T A Edison

Tonight
Barnes & Evans
1 DN

J. City Nov. 4th 1878

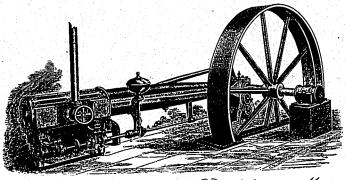
Mr. T. A. Edison

Dr. Sir.

Yours enclosing check rec'd, accept our thanks. We were obliged to delay you a little with your window frames for present order on acct. of a fire which burned out the building from which we got our forms, we were obliged to move the factory in consequence, and have been put a good deal behind, shipped bal. of frames to day, your sash & doors will be sent more promptly.

Respectfully Yours

Bamber Bros



C. H. BROWN & CO.

Manufacturers of

AUTOMATIC CUT-OFF

STEAM ENGINES.

Works Main Street.

Fitchburg, Mass., Nov 5 1878.

T. A. Edison
Menlo Park
N. J.

Dear Sir
Your favor of the 1st rec'd
We inclose price of Rice marked on
enclosed circular which should have been
sent to you before.

Respectfully Yours
C. H. Brown & Co.

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been assented to by the sender of the following message:

Errors can be corrected only by repeating a message back to the sending station. Co-operation in the prevention of mistakes is invited by the payment of one cent per message, in addition to the usual tolls, for which the sender can secure a comparison or delivery of the message, if desired.

This company will not be liable for errors or delays in transmission or delivery of unrepeated messages, beyond the amount received for sending the same.

A. R. BREWER, Sec'y. WILLIAM ORTON, Pres't.

Dated New York 4/6 1878

Received at

To Thos A Edison

Menlo Park

N J

To which station shall I ship smoke stack and steam pump answer

E P Hampson

13 Cortlandt

Read

READ THE NOTICE AT THE TOP.

T. A. EDISON. 4

Menlo Park, N. J., Nov 6 1878

W. G. Please ans

E. P. Hampson

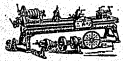
91 Liberty Street

Ship smoke stack and pump to Menlo Park.

Edison

7 NY

9 MK



Edward P. Hampson,

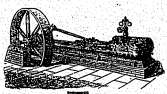
STEAM ENGINES AND BOILERS,

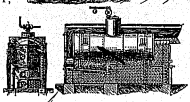
WOOD AND IRON WORKING MACHINERY,

SAW MILLS,

Grain Mills, Hoisting Engines, Etc.

91 Liberty Street.





New York, Nov 6th 1878

Thos A Edison Esq
Menlo Park N.J.

Dear Sir:

The matter referred to in your letter of the 4th inst. has been attended to, and is all right.

The smoke stack & steam pump is ready to ship & I telegraphed you this a. m. to know which station to send it to, but as yet have not received any reply. The P.R.R. Co. demands freight to be paid in advance for goods shipped to Uniontown.

Yours rspty
E. P. Hampson
H. G. Haring

T. A. EDISON. 2 11 50 am

Menlo Park, N. J., Nov 7 187

N.Y. 7th

Thos A. Edison mrs

Shall I ship Engine to Menlo Park or Uniontown Answer

E. P. Hampson

9 DH

T. A. EDISON. 2

Menlo Park, N. J., Nov 7 187

E. P. Hampson 9 Pine st N.Y.

Ship to Uniontown

Edison

9 DH

11 50 A M

T. A. EDISON.

Menlo Park, N. J., Nov 7 1878

No 1

S. L. Merchant & Co
76 South Street NY
Send (10) ten barrels imported
portland cement immediately
T. A. Edison

7 PM

11 Am

T. A. EDISON. 1 NB

Menlo Park, N. J., Nov 7 1878

Mr Cornish & Co
Plumbers
New Brun.

Come Saturday without fail
to put in register up stairs
T A Edison

10 AM

800 Pm
S. J. L.

Established 1822.

Box P. O. 2099.

Rosengarten & Sons,
Manufacturing Chemists,

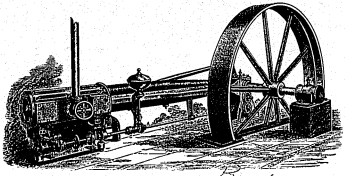
Philadelphia Nov. 9th 1878

Mr. T. A. Edison
Menlo Park N. J.

Dear Sir

We have today sent the balance of your order for Acetate Mercury by Express C. O. D.

Yours Resp.
Rosengarten & Sons



C. H. BROWN & CO.

Manufacturers of

AUTOMATIC CUT-OFF

STEAM ENGINES.

Works Main Street.

Fitchburg, Mass., Nov 9th 1878.

Thos. A. Edison
Menlo Park
N.J.

Dear Sir
The Mechanics Assn are now going to have us run the engine running at this date but on account stopping it can be received Monday as we telegraphed Mr. Hampton this A.M.
Mr. Jones our Engineer at the Fair wishes us to request an answer to his letter sent and he will try for another situation in engineering in one of your engines if we can not obtain a situation with you

Respectfully Yours
C. H. Brown & Co

T. A. EDISON. 1

Menlo Park, N. J., Nov 9 188 11 15 am

Nov 9 Thos A Edison

Your Engine will leave Boston Monday night

E. P. Hampson

8 Collect

T. A. EDISON. 1

Menlo Park, N. J., Nov 11 188

Eugene Phillips Providence RI

Please send fifty pounds of No Seventeen Cotton Covered copper wire

T A Edison

11 15 am

9 am

9 ma

T. A. EDISON. 1 12 m

Menlo Park, N. J., Nov 11 1878

Providence R I 11

T. A. Edison mv

Do you want same style
Covering and finish as on
the number eight sent
you answer

E. F. Phillips

16 paid
mch

T. A. EDISON. 4

Menlo Park, N. J., Nov 11 1878

Eugene F Phillips Prov R I

No - want ordinary
Cotton Covered no
finish

T A Edison

7 Nm

12 10
9 Ma

MANUFACTURERS OF
Patent Finished Telegraph Wire,
Patent Rubber Covered Wire,
Patent Lead Encased Wire,
Patent Electric Cordage,
Telephone Cords, Cables, &c.

OFFICE OF
EUGENE F. PHILLIPS,
No 67 STEWART STREET.

Providence, R. I. Nov 13 1878

Gentlemen;

We are in receipt of your favor of the
with order, which shall have our immediate attention.

54 lb 17 Cotton Cord due
by express tonight.

Respectfully yours,

W. H. SAWYER, Electrician and Engr.

EUGENE F. PHILLIPS.

T. A. EDISON

1

Menlo Park, N. J., Nov 13 1878

E P Hampson
91 Liberty St
NY

~~Please~~ Is there any
Ord templet ~~for~~ for
Mason work for
Engine

T A Edison

10PM

9 AM
9 Ma

1

Nov 14, 78

Ms 14-78

E P Hampson 91 Liberty St NY

Engine at Jersey City cant go forward
till charges are paid. See E Butler
agt Jersey City charges Eighty Dollars

T A Edison

1825PM

9 AM
9 Ma

Edward P. Hampson,

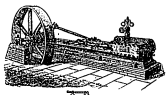
STEAM ENGINES AND BOILERS,

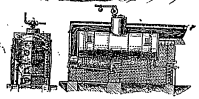
WOOD AND IRON WORKING MACHINERY,

SAW MILLS,

Grain Mills, Hoisting Engines, Etc.

91 Liberty Street.





New York, Nov 14 1878

T. A. Edison Esq.

Dear Sir - I have your favor of 13 about iron beams for smoke stack; those sent to you, are more than twice the strength required - the plans are incorrect in calling for 6" -

This will be handed to you by the Engineer who ran your Engine at the Boston Fair -

Your despatch about freight to be paid on Engine just recieved, I will send the money over at once -

Yours truly
Edw'd P. Hampson

Edward P. Hampson,

STEAM ENGINES AND BOILERS,

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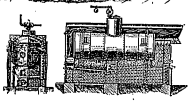


New York, Nov 14 1878

T. A. Edison Esq
Menlo Park
N.J.

Dear Sir. The Bolts for stack plates were sent out some days ago, you will find them in one of the boxes you have —

I have paid the freight on the Engine, it will leave Jersey City to night, and you will get it early in the morning —

Yours Very Truly
Edw'd P. Hampson

1 Ra

Menlo Park N J Nov 15/78

James O'Rourke
House Mover
Rahway N J.

Come right away to bring our Engine from Unionton.

T A Edison

9 D.H.

9.20 A M
9 E.

John H. Porter
Grosvenor P. Lowrey
Geo. Hecks Stone
Elbridge Farnes Stone
George S. Hamilton

P.O. Box 1836.

Porter, Lowrey, Sorien & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street, (DREXEL BUILDING)
New York, Nov 17th 1878

Dear Sir:

As requested, Mr Kent went to Messrs Edie & Co Custom House brokers No 63 Wall Street in reference to the Gas furnaces –

The brokers desire to be informed as to the following facts –

(1) If the furnaces are worth $100 – or over,

(2) Bill of Sale, or statement by Mr Edison as to price.

(3) If worth over $100, Mr Edisons oath to the value of it, and Consular invoice – or bonds will have to be given –

Whenever you come to the City again if you will stop in I will take you to the Custom House Brokers office, where you can learn the necessary information on the above points –

In haste
Yrs Very Truly
E W Griffith

Order No. 308 Book No. 11 $ Received.

220 KINZIE ST., CHICAGO, ILL., 1/15 1878

We are in receipt of your favor of 1/14 covering Order, and will forward goods with as little delay as possible.

Yours truly,

WESTERN ELECTRIC MFG. CO.

Per

THE NATURALISTS' AGENCY,
A. E. FOOTE, M. D.,
Fellow A. A. A. S., Prof. Chem. and Min.
1223 Spruce Street, PHILADELPHIA.

Nov. 19th.

T. A. Edison Esq.

Dear Sir:—

I have but a small quantity of absolutely pure gieseckite, this is in crystals and more valuable on that account. I present the crystals for your cryptogamic collection and therefore would not be willing to spare you over 1 oz. at the rate of 50 cents an oz. The impure article which contains about 50 per cent of magnetite with it I can sell you at the rate of $1.50 per lb. The magnetite can readily be removed by

Photo'd nov 19 78
Mr Foote
Ans'd nov 20-78
Ill Letterbook

by boiling in hydro-
chloric acid and the
yttria is not dissolved
by acid & cooling by
boiling in powder with
concentrated sulphuric
I can furnish you with
about 8 lbs of the impure
article. If you wish to
contract for a large
quantity I can procure
it for you at a lower
price I think, by getting
a man to collect it in
Mass N.C. N.Y. or Pa.
Hoping to receive
your orders I remain
Yours with respect & respect.
A.E. Foote.

MEMORANDUM.

New York, Nov 19 1878

To Prof Thos A Edison
Menlo Park
N. J.

From the

Buckeye Engine Co.

EXPERTS IN STEAM ENGINEERING

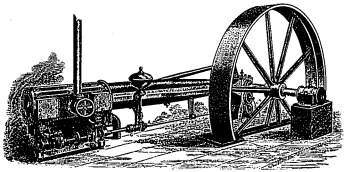
37 Liberty Street,

WM. LEE CHURCH, GEO. A. BARNARD, } Managers.

NEW YORK.

Dear Sir— Please send us the exact diameter of your line shaft. We will put on a driven pulley to suit the driving pulley on our engine, and in order to have it ready in time it is necessary for us to know the size of shaft. In case the order has been given for shaft, and the size is not remembered, please send us the name of maker—

Very truly Buckeye Engine Co. per E.B.B.



C. H. BROWN & CO.

Manufacturers of

AUTOMATIC CUT-OFF

STEAM ENGINES.

Works Main Street.

Fitchburg, Mass., Nov. 12th 1878.

Thos. A. Edison Esq.
Menlo Park
N.J.

Dear Sir,
We have been waiting to hear from you as to what we want to set up your engines. We now know who do the most harm all from Chicago. Mr. Deane, one of our best men, writes, just from Chicago, that he has seen, heard, and will be back in a few days. We will be ready for you.

Respectfully Yours
C. H. Brown & Co.

BARNES & EVANS,

—DEALERS IN—

Doors, Sash, Blinds, Window Frames, &c.,

No. 176 GREENE STREET, cor. Morgan,

JAMES T. BARNES, }
LEWIS EVANS. }

Jersey City, N. J., Nov. 20 1878

Mr. T. A. Edison

Dear Sir,

We shipped you all the Sash for main building to day, & will ship to-morrow Window Frames for Office, and probably the bal. of ordr for main building.

Can you oblige us with $150.00 this Friday we have a great deal of money to raise on that and the following day, or we would not ask it. please ans.

Respectly Yours
Barnes & Evans

J. City N.J.
Nov 20th 78
Barnes & Evans
Acad & rent check
for $150 - Received

Barnes & Evans

Dear Sir:

Sash weights for main building had to be ordered, expect to ship to-morrow (Friday)

Window frames for Offices to day.

Respectfully,

Jersey City Nov 21/78 Barnes & Evans

1

Nov 21. 78

E. P. Hampson
91 Liberty St
NY

We require immediately the two bolts for pillow block for wall and nuts for holding down Bed plate for cylinder and pedestal head

T. A. Edison

23 DH
9 AM
9 ma

Nov 21. 78

2

Barnes & Evans
Jersey City NJ

When are weights & cords for windows

T. A. Edison

JDH
9 ma
9 ma

Compliments of
Howarth Bros

Nov 21st 1878

Thos. A. Edison Esq.

Dear Sir:- We will line gutter 2 8 in wide with best I.C. Charcoal tin Furnish and put up 2-5 in and 1-4 in Galvanized Iron leaders with cast Iron pipe at bottom also put flashing around Chimneys for the sum of Fifty six Dollars. $56.00

Yours Respectfully

Howarth Bros

per Buck

240 [illegible]	10¢	24 00
33 yd [illegible]		6 60
15 [illegible]		3 12
26 yd [illegible]		3 12
		[illegible] 27

4 6
24
4
12

Warren.

Dear Sir;

The adoption of the Metric System, now making rapid headway in this country, will bring us into harmony with nearly all the world, and will be usually followed by a gain of the school life of every child.—Herald Hygiene, Boston.

MONUMENTS and MEMORIAL TOKEN, MARBLE or GRANITE, PORTLAND, MAINE, 2000, &c., &c.
For Sale by A. K. Poole, M. D., Fine Mtn. Dealer, Poor in Art, Fine Mtn. Dealer, Poor in Art, Street, N. Y., and Poland Springs, Me., 1893, Belmont Avenue, Kansas City, Mo., Cor. Twenty-Second and Lawton Sts. and Mount Vernon and Lawton Sts.

Your Invoice was sent three days by Express @ 0.D.10 ½ + Charges. Complete. 29 @ 50¢ 100-Bbls. inclosed @ 1 ½ 9 ⅝ - 10 ½ We have made any mistake the boxes given to you & we should not make any mistake we shall be happy to rectify it. If we have charged too much, we shall be ready shall be happy to rectify that this order be satisfactory return the bal. to us. Hoping that this order be satisfactory

Yours Respectfully

A. Forti

Nov 22, 78

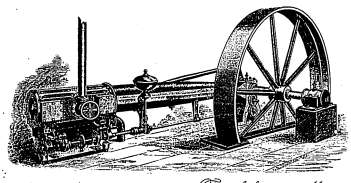
C H Brown & Co
Fitchburg
Mass

Do you think it advisable to set back box on brick, if not send plate. Telegraph + write

T A Edison

1 P.M.

Fitchburg
Edison
No plate needed here
Foundation with Cement
C H Brown & Co
This May



C. H. BROWN & CO.

Manufacturers of

AUTOMATIC CUT-OFF

STEAM ENGINES.

Works Main Street.

Fitchburg, Mass., December 1878.

T. A. Edison
Menlo Park
N. J.

Dear Sir,

Your telegram received and answered by mail as follows:

"No plate needed. Level top of foundation with cement."

If you lay the brick work of foundation nearly the right height and level the top with good cement, it will answer equally as well as an iron plate.

The cement should of course be good, and sufficient time given for it to harden well before letting entire weight of engine rest upon it.

Respt.

C. H. Brown & Co.

Nov 22d 78

Manning Freeman
Metuchen N.J.

I want seven thousand brick
this afternoon or
tomorrow morning

T.A. Edison

10 DH

T. A. EDISON.

Menlo Park, N. J., Nov 22d 1878

C.P. Thompson
91 Liberty St.
NY

Please mail immediately
another plan of foundation
for Engine

T.A. Edison

GDH.

MICA ROOFING COMPANY,

MANUFACTURERS OF

ROOFING MATERIALS

Coal Tar, Products Building Paper and Carpet Lining,

No. 73 MAIDEN LANE.

WM. H. H. CHILDS, Proprietor.

New York, 22d Nov 1878

Mr

T. A. Edison

N. J.

Your favor of 18th is at hand. We do not state which kind of a roof you desire on the new building — you remember in your first three estimates — one for a board roof — another for a felt roof — and in your last one referring to material for felt roof. Please drop us a line by return mail stating if you desire a gravel roof — or a

felt Roof. We are prepared to do anything pertaining at a day's notice -

In answer to your enquiring about strips for the joints of felt. We would say it depends on how the roof is laid. whether steep - or flat. The expense if any would be very small -

Let us hear from you in answer to above - at once. If it is to be a job felt + tarred + sanded. We will have to stuff material on Monday. Has that is the only day Mr R.R. to receive our material - But if you can to have a felt + tarred Roof We can send at any time as We charter a car. -

Very truly yours -

Mica Roofing Co

C. L. Pierson.

[illegible] Aug 28th/78

Mr. J. B. Ellis

Dear Sir

[illegible] not [illegible]
for which [illegible] our thanks.

We have not sent the [illegible] yet
was [illegible] [illegible] [illegible] [illegible]
[illegible]

We will [illegible] for the [illegible]
[illegible] per R. 26 [illegible] (Mr [illegible])
[illegible] 8.17.00 [illegible] [illegible] without [illegible]
[illegible] by [illegible] [illegible] [illegible]
Yesterday Monday, had intended to ship them
yesterday but one of our men was called to
Port Stephens and has not so far returned

Very Truly Yours

Barnes & Crang

[illegible]

Mines and Works, **Plumbago:** Ticonderoga, N. Y.

STANDARD UNEQUALED GRADES PERFECTED EXPRESSLY FOR
Crucibles, Stove Polish, Powder, Shot and other Glazing; Foundry Facings, Pencils, Electrotyping, Piano-action, Paint, etc.: And for Lubricating Machinery of every description.
GRADES FOR SPECIAL USES PREPARED TO ORDER.

SPECIALTIES:

"Perfect Lubricator," Plumbago of absolute and unequaled purity.	"Graphite Axle Grease."
"Standard Lubricating Plumbago."	"Plumbago Grease."
"Plumbago Preservative Paint."	"Plumbago Railway Grease."
	"Patent Plumbago Oil Can."
	"Founders' Perfect Wash."

Office, American Graphite Company,
No. 24 Cliff Street,
New York, Nov. 25th 187[illegible].

Cyrus Butler, President and Treasurer.
F. W. POTTER, SECRETARY.

Dear Sir: The impulse to seek an interview with you during the past two years has been a frequent one in the hope that by virtue of my long, gray, fight with graphite might enable me to put on pure carbon in "button" form or other shape whereby you might obtain the most uniform possible result through carbon. The papers indicate the extent to which you must be bored by applicants of all sorts and, as my time is precious to me

and yours must be for your great work. I know I propose to visit either by a visit to Menlo Park.

If, however, you desire to see me about 'Carbon' or graphite and will arrange an interview - preferably in the city or if it must be at your shop, in the evening or late afternoon I will wait upon you.

I am Sec.y of the Com. on Art of the Union League Club where exhibitions of paintings are held nearly every month and the Com. is desirous of trying the electric light as soon as possible.

Respectfully

J. R. Edmondson Esq.

Chas. Bartlett

P.S.

The inclosed copy of verses to my daughter - at school - who reported that her hair came out by combfull - was suggested by the telephone and the many 'of a hatchet chain'. C.B.

3

Nov 25-78

Barnes & Evans
Jersey City N.J.

We must have the single window from Wednesday morning Deliver it to RR tomorrow pm
Edison

USH
8 18 pm
9/4

T. A. EDISON.

4

Menlo Park, N. J., Nov 25 1878

A Bridges
46 Cortlandt St
New York

Countermand order for bolts our man will call to-morrow
Edison

USH
9 pm
9 Bq

Howarth Bros Newark N.J. Nov 21 78

We will be all ready.

Edison

5 DH 5-33 pm
JTG

MICA ROOFING COMPANY,

MANUFACTURERS OF

ROOFING MATERIALS

Coal Tar, Products Building Paper and Carpet Lining,

No. 78 MAIDEN LANE.

WM. H. H. CHILDS, Proprietor.

New York, 26 Nov 1878

Mr J. A. Edesson

Dear Sir:

We send you today car load of our material for the Roofing of your new Buildings. May we ask you to have the car unloaded tomorrow and material moved to the Buildings. and pay the freight & charges - charging the same to us we intended to pay freight. but could not learn just the amount, however it is to be 7th per Hundred. - We intend to send our men on Thursday morning and work. Thanks Giving day may we ask you to have the tin

for the boilers ready also
the thin iron strips for the
boards on boilers + sides of
building on hand - I
intend to make the boilers
light in one day machine
permitting - and to give the
Roofing the boilers personal
supervision -

Very truly Yours
Mica Roofing Co -
J E L. Pierson.

Mica Roofing Co

Nov 27 78

E. P. Hampson
91 Liberty St N.Y.

Send sixty dollar Coil
heater today

Edison

6 DH

1007 9 Mar

T. A. EDISON.

Menlo Park, N. J., Nov 17 1878

Mica Roofing Co
73 Maiden Lane

My
do not
come to morrow. Summers cannot
finish ~~for the Court~~ Attorney

T A Edison

1007
5 Mar
9 Mar

MICA ROOFING COMPANY,

MANUFACTURERS OF

ROOFING MATERIALS

Coal Tar, Products Building Paper and Carpet Lining,

No. 73 MAIDEN LANE.

WM. H. H. CHILDS, Proprietor.

~~New York~~ Milwaukee Wis 26 Dec 1876

Friend Carman

I am unable to give reason for my sudden fickleness, my intention of doing the roofing at Milwaukee today except that the car of our material - for some unexplained reason has not arrived at Milwaukee & I expected to receive last night also to bring Chicago - my to learn whether it was not up to this time 8½ P.M. (Thursday) I have not learned - I shall call the office down in the city and find out where the matter is. If possible I will do the roofing

Mrs Montgomery Co.

Mr Saturday — Should Mrs Carson arrive this morning — will you please wire ~~it at~~ our Independence address to the Sunday at once —

I drop you this note to relieve your mind — for I am sure you thought I was neglecting the Sunday — But I'm sure you will see — All can for Monday a.m.

Yours
Carson.

T. A. EDISON. 1

Menlo Park, N. J., Nov 25 1878

Babcock & Wilcox
Liberty St N.Y.

Please send a man to finish boiler immediately

T. A. Edison

W.S.H.

9.25 Am
9 Pm

T. A. EDISON. 3

Menlo Park, N. J., Nov 27 1878

Mica Roofing Co
75 Maiden Lane N.Y.

Your Stuff is Live don't fail to come in the Morning

T. A. Edison

W.S.H.

4.34 Pm
9 Mar.

T. A. EDISON.

Menlo Park, N. J., Nov 30 1878

Manning Pearman & McMicken N.Y.
Send us a load
of lime to dry. over

T A Edison

E D L.

C & E.

12 s. fwd

MEMORANDUM.

New York, Nov 30 1878

Co Prof T. A. Edison

Menlo Park

N. J.

From the

Buckeye Engine Co.

EXPERTS IN STEAM ENGINEERING

37 Liberty Street,

WM. LEE CHURCH, GEO. A. BARNARD, } Managers.

NEW YORK.

Dear Sir — Our engine is ready for shipment. Please send us shipping directions & oblige

Yours Very Truly

Buckeye Engine Co

per G.A.B.

[illegible]

Edward P. Hampson,

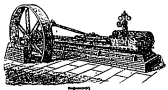
STEAM ENGINES AND BOILERS,

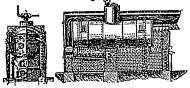
WOOD AND IRON WORKING MACHINERY,

SAW MILLS,

Grain Mills, Hoisting Engines, Etc.

91 Liberty Street.





New York, Nov 30 1878

Thomas A. Edison Esq.
Menlo Park.

Dear Sir – I am in receipt of your favor of 26th, saying that you have returned the Coil Heater, you ordered of me – please advise me what you will have in place of it.

Yours Very Truly
Edward P. Hampson

Geff answer this so.

Dear Sir, I shall not put a heater in my place for about a month as I want a little time to investigate the merits of the Lowe heater. As I shall not be ready to make tests for some time I can take a few weeks on this.

T A E

Fitchburg, Mass. Dec. 2nd 1878.

Thos. A. Edison
Menlo Park
N.J.

Dear Sir,

Mr. Jones when here last spoke of an indicator & pantagraph being wanted for your engine, but we did not understand whether you wished us to purchase them for you or not.

Will you please let us know.

Respectfully Yours
C.H. Brown & Co.

Batch

T. A. EDISON.

Menlo Park, N. J., Dec 3d 1878

no 1

Jas McNab & Harlin Mfg Co
56 John Street
New York.

Send a man to
measure Boiler connections
as soon as possible

T. A. Edison

11 AM
Ma. E.
11:5 am

T. A. EDISON.

Menlo Park, N. J., Dec 3 18

5

Mica Roofing Co
NY

Send to day fifteen rolls
felt sure T. A. Edison

6 AM

Sent
9 Mad

T. A. EDISON.

Menlo Park, N. J., Dec 3d 1878

9 40 am

no 1 New York 3

T A Edison N

your order will have prompt
attention

McNab & Harlin
Mfg Co

6 paid
mars

9 40 am

H. T. BREWSTER,

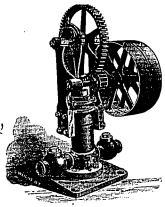
Manager New York Office

—OF THE—

BERRYMAN PATENT

FEED WATER HEATER AND PURIFIER,

97 Liberty Street,



NEW YORK, Dec 17th 1876

Prof T. E. Edison

My Dear Sir

We have received this
Mo. Small orders for Heaters of the
same size and number as I proposed
to send you for trial, and as Mr
Davis (who is here today) says, as the
price is so low he would like to get
your order very soon, to enable him
to pick your Heater in with this
lot, hoping to have favorably from
you soon I remain

Very respectfully Yours

H. T. Brewster.

As we use very little hot
water for other purposes than
[illegible]
(which is much cheaper) will answer
[illegible]

We [illegible]

[illegible]

N.Y. Dec 18 78
Berryman Heater
No use

T. A. EDISON.

Menlo Park, N. J., Dec 8 1884

McNab & Harlin
56 John St
NY

Send thirty feet
two inch two hundred
feet three quarter inch
three two inch Elbows

Edison

16 DH

10-10 AM
9 Tp

McNab + Harlin
56 John St NY

If not too Late
Make Exhaust pipe five inches
and Steam pipe five inches
Gamma unless coming

16 DH 10 30 AM, Mar

Edison

T. A. EDISON.

Menlo Park, N. J., Dec 5 1878

1127

2

My 5

T A Edison Mo

Exhaust pipe all ready but not shipped can change at some expense and one days delay

McNab & Hoslin Mfg Co

16 DH

T. A. EDISON.

Menlo Park, N. J., Dec 9 1878

3

McNab & Hoslin Mfg Co
56 John St NY

Ship exhaust pipe as it is

T A Edison

6 DH

1143 9 Mo

6 NY 5

Dec 5-78
4.47 PM

T. A. Edison ma

Pipe all shipped advise us when received and will send and have it put up

McNab & Harlin Mfg Co

15-NH
Mal

The Singer Manufacturing Company,

Elizabethport, N. J., Dec 5th 1878

Mr T. A. Eddison,

Dear Sir,

We have on hand about twenty five of the Bench Legs made from the pattern sent you, that have been taken down, and so are out of use, which we will sell you at the same price as you get your castings, made from the same pattern. If it is your pleasure to take them we will send them immediately on receipt of your order.

Yours Very Truly

The Singer Mfg Co

A. Pillitler Supt.

Efport ng Dec 1-70
A B Miller

Ans'd Dec 5-70
Ordered 16 B&Exp

34 PARK ROW, [redacted] Corner of Beekman St.

Room 25

New York, Dec 5th 1878

Thos A. Edison Esq

Dear Sir

Will you kindly inform me, whether you will entertain proposals for the Covering of Boiler & Steampipes for your 80 HP Engine now being put in.

Enclosed herewith Circulars &c —

200, effect covered for Dr Gorge, Metaline Co., Tank & pipes saves 1/2 ton coal per day

Mr Q 204 & 206 Queen St, Ny

About same in N.S. but Treasury Ny

Will send sample if you so desire

Respectfully Yours
Clarence McBride

Turkey City Pa
Dec 6th 78.

Prof Thos A. Edison
Menlo Park N.J.

Dear Sir,

Herewith I mail you a sample of pure gas carbon made from the gas which escapes from oil wells.

I have facilities for making 20 or 25 lbs per day and in case you need such an article would be pleased to furnish it at as reasonable a rate as possible. What would you be willing to pay for it? Your early reply will much oblige

Yours Respectfully
John C. Grant M.D.
P.O. Box 17 Turkey City
Clarion Co Pa

4 N 16

Dec 6-78
1 50 P.M.

J. K. Knight
Mr

John endorse by return if you are all right
J. Knight

10 paid
Ma. 9.

MICA ROOFING COMPANY,
MANUFACTURERS OF
ROOFING MATERIALS
Coal Tar, Products Building Paper and Carpet Lining,

No. 73 MAIDEN LANE.

WM. H. H. CHILDS, Proprietor.

New York, 9 Decr 1878

Mr Thos A Edison.
Dr Sir.

We ship today material to finish your Roof- and on Wednesday will send our men to complete the Roofing.

Very Truly Yours.
Mica Roofing Company
P. E. Dr. Purson.

Answered

Hoboken N. J.
Dec 9/78

Dear Sir
I a Bottle of Chemical apparatus except Blowpipe
We have no printed Catalogue of Chemical apparatus except which I will send us more such occasions to order

Your respectfully
S. HAWKRIDGE,
SUCCESSOR TO
G Wale & Co

MEMORANDUM

FROM
BABCOCK & WILCOX,
BUILDERS OF
PATENT WATER-TUBE STEAM BOILERS,
30 Cortlandt Street, - - New York.

TO Thos. A. Edison
Menlo Park N.J.
Dec. 7th 1878.

Dear Sir

We send you by express to day a package of brass handles & hinge points for the Boiler, which we hope will make its outside appearance equal its internal excellences.

Yours truly
Babcock & Wilcox
per Nat. H. Brast.

WILLIAMS & PLUM, | Booksellers, Stationers, Printers & Book Binders. | 777 BROAD ST.,

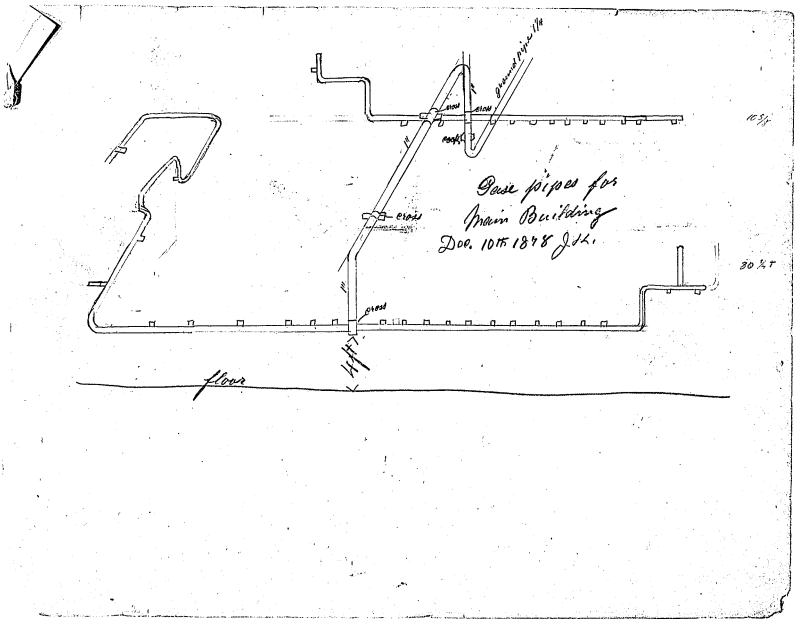
Newark, N. J., Dec. 10 1878

Dear Sir

Yours received containing money order, which we shall do immediately, the time slips home been so dry some days but we waited to send with other goods - as you mean said you did not need them yet.

Respectfully Yours,
WILLIAMS & PLUM.

Wallace & Pierce


Base pipes for
Main Building
Dec. 10th 1878 J.d.L.
floor
elbow
cross
elbow
elbow
elbow
cross
cross
ground pipe 1½
30 ft T

T. A. EDISON.

1

Menlo Park, N. J., Dec 11th 1878

Geo. E. Carman
Care L. W. Serrell
76 Chambers St
NY

Get about three inches of quarter inch silver wire less size will do if cant get quarter

T. A. Edison

170 SX

T. A. EDISON.

Menlo Park, N. J., Dec 11 1878

Singer Mfg. Co. Elizabethport NJ.

Have the bench legs been shipped

T A Edison

1075 GW

1

Dec 11. 78
11 56 am

Elizabethport N J 11
T A Edison

Shipped Dec tenth
The Singer Mfg Co

3 DH
mag

T. A. EDISON.

2

Menlo Park, N. J., Dec 11 1878

S L Merchant & Co
Bdway N.Y.

Please send two barrels
Portland Cement
T. A. Edison

6 DH

11 56 AM
Mag

3

Dec 11 78

McNab & Harlin
56 John St
NY

Please send a man
to take measures for
Steam heating
T A Edison

10 DH

7.55 PM.
G Tyg

2

Dec 12 78

McNab & Harlin Mfg Co. N.Y.

Ship per Paid Fairmount

T. A. Edison

3 DH
2.10 P.M.
Lima

Newark Dec 13, 1878

Dear Sir.

Please send us immediately
the size of steel you want as we
have received an order for it
1 box iron 1/2 by 2"

Yours truly
Carroll Hall

Dec 17. 78.
9.50 a.m.

Newark N.J.

T. A. Edison

I have fifty feet
one five sixteenths
shafting forty feet
one one do

J. F. Murray

MICA ROOFING COMPANY,
MANUFACTURERS OF
ROOFING MATERIALS
Coal Tar, Products Building Paper and Carpet Lining,

No. 78 MAIDEN LANE.

WM. H. H. CHILDS, Proprietor.

New York, 18 Dec 1878

Mr Mr A. Edison

Enclosed in hand
Your Bill for Roofing New Building
with Credits for Freight & Cartage as
paid by you — Kindly Bale over in
of 190.00 —
We will send some men very shortly
to finish Job.

Very Truly Yours
Mica Roofing Co.
J. E. L. Pierson.

T. A. EDISON.

No 2 Menlo Park, N. J., Dec 19 1878

Mica Roofing Co
73 Maiden Lane

Dont come tomorrow
have written T A Edison

T A E

3 337 m
9 Mon

T. A. EDISON.

Menlo Park, N. J., Dec 19 1878

Send. Lath. Scratch & Brown
and sand finish Office for
the sum of 50 Dollars
Make a first class job
Smith W Benedict

3 Dec 19-78

Jacob Beatty
Cor Sherman ave & Mecanyetc
Newark N.J.

Team cannot get back
tonight will etabtic
thru here T A Edison

9 AM

7:30 PM
9TH

T. A. EDISON.

Menlo Park — July 1878

Menlo Park, N. J., Dec 30 1878

Manning Freeman
Esq

Please send a load of
Stove Coal right
away

Edison

McNAB & HARLIN MFG CO

P.O. BOX 799.

New York Dec 23 1878

Mr T A Edison
Menlo Park N J

Dear Sir

Your order of this date recd and as Radiator has been search for some time past we cannot send thru until Thursday We suppose you mean 6 them it contain 24 tubes each and will send that way unless otherwise ordered at once

Yours Truly
McNab & Harlin Mfg Co
Recd

T. A. EDISON.

Menlo Park, N. J., _____ 187

Reynolds 106 Fulton St

Get 2 doz convex glasses
Imperial size 1 doz card size
2 finest Windsor Newton pencil
~~1 tube Vermillion~~
Dec 26 78

1281

McNab + Harlin Mfg Co 56 John St NY
Please hand this to our messenger —
Go to Reynolds Fulton St get
two doz convex glasses Imperial size
one doz card size two finest Windsor
Newton pencil brushes one tube
Vermillion

T A Edison

31 NH

Receiver Railway
Dec 28/78 of T A Edison
the subscription in full
for Bill Oke

S H & H Leonard

We have three large
stone not the first
time any of your
folks are in town
call and see if
they are what you
want

Resp Your
S H & H Leonard

Dec 30, 78

1 No 30
Howarth Bros

Newark N J

Come down on next
train

T. A. Edison

SDH
11 25
9 Ma

Dec 31, 78

McCormick & Co
New B.

~~Grate too small~~
~~Send the six grate~~

Telegraph to N. Y.
for a No six grate
one you sent too small
Have it sent to day

T A Edison

T. A. EDISON. /

Menlo Park, N. J., _____ 187

Mr. Graham Please to provide at Rockport room.

Cook and Bogy 16 Cortlandt
New York City

Send three lengths of inch and half and three of inch and quarter water pipe immediately.

Edison

J. Kr.

JISON.

Menlo Park, N. J., _____ 187

Eaves trough all round 28" wide
2 Leaders 5" galvanized iron pipe
1 " 4 " " "
to within 4 feet of ground.
each leader to be continued to
ground with Iron pipe
Chimney to be flashed round
4 sides with two bricks up

$45.00 McCormick

T. A. EDISON.

Menlo Park, N. J., _____ 187

Eaves trough all round 28" wide
2 leaders 5" galvanized iron Pipe
1 " 4 " " "
to within 4 ft of ground
each leader to be continued
to ground with Iron Pipe
Chimney to be flashed round
4 sides with two Bricks up

$52.35
1.00

(1878)

Dr. Edison

Send one set with [illegible]

Colin.

(1878)

~~Passaic Co~~ 62 Chatham Street
New York

Send by mail four pieces ~~of~~ quarter inch ~~Stubb's Steel~~ ~~full size~~ Stubb's Steel.

Sig. Edison

A. G.

T. A. EDISON.

Menlo Park, N. J., ... 187

Sulphuric acid. Condit + Hanson 2 or 3 lbs
Hydrofluosilicic acid 1 bottle
Ammonia, pure. Robert G. 1 gal
Granulated Zinc pure " 1 lb
Ammonia Sulphide " 1 lb.
869. 3 flasks 2, 4, 8 oz "
1 lb Sodium Condit + Hanson
2 lb Fluor Spar Condit + Han
Evaporating dishes German porcelain RTG
836 Set of 5 from No 1 to 5 RTG
Evaporating Berlin Semi Porcelain 3 qts RTG
888 Diam 2 inch 2½ 3 + 5 inch RTG
1 Cleaner for test tubes RTG.

Grif. write to Condit Hanson + Van Winkle for good makes, & Robert + Goetter details, letters addressed, you will find — Edelmann

T. A. EDISON.

Menlo Park, N. J., ... 187

Sulphuric acid
Hydrofluosilicic acid
Ammonia pure
Granulated Zinc pure
Sulphide
Nitrate Potash
Chlorate
869 3 flasks. — 2, 4, 8 oz
One lb Sodium
Fluor Spar —
Evaporating Dishes German Porcelain
836 set of 5 from No 1 to 5,
Evaporat. Berlin Semi Porcelain
3 qts,
888 — Diam 2 inch, 2½, 3 & 5 inch
1 cleaner for test-tubes

☞ To prevent loss, please make remittances by DRAFT, POST-OFFICE ORDER OR REGISTERED LETTER. ☜

L. G. Tillotson & Co.,

Manufacturers, Importers and Dealers in

Railway and Telegraph Machinery and Supplies,

Car Upholstery and Trimmings of every description,

L. G. TILLOTSON, E. S. GREELY. } *No. 8 Dey Street,*

P. O. Box 1714. *New York,* (52) 187

Edison —

There are 20 ohms - Have no others except "Local" about 3½ ohms - If you want each 10 ohms drop us a note & we will have a couple wound for you and they may be substituted for these —

Yrs Bunnell

92 Fourth Ave
N. York

Sir I am sorry to say I cannot fill your order for block holds before Saturday next as the maker is out please inform me of what will do if I do not here from you I will send them on

Bunnell

1878. Mining (D-78-027)

Correspondence, circulars, clipping.

All selected.

Joplin Mo July 10 '78

Thomas A Edison Esq

Dear

I have been waiting patiently for a long time, hoping to have some encouraging word from you. I know how you must be overwhelmed with correspondence and can imagine how your valuable time must be taxed by importunate letters and interviews. But I cannot but think that the investigations I have made - and the probability of a new field for scientific search, likely to be opened - would interest you - and lead you to give it your thought. If there should be a way of correctly finding minerals, I believe the hundreds of specimens I have made - will certainly throw some light on the operation of any instrument that might be devised. So far it is a settled fact that we can go over ground where mines are opened - and never having seen underground, we can show where the minerals were and the depth to it. But when we go on undeveloped ground, we are at fault for we have followed the same rules - and have never adapted them to the required depth and found nothing. We do not know if the action may be influenced by the drainage of

the pumps when mineral is being wanted. There is one thing human we can do to as certainty and that is by leaving the mineral out of the question, we can locate a shaft so that we can strike a crevice in the rock - and then will be solid bedded on both sides of the shaft and never wint. This is a great thing - and goes to show that if one thing having an important bearing on the thing is correct - there surely must be a way to come at the all important objects and the way opened to find mineral district. The whole matter is very singular indeed - and I could mention some very interesting and curious operations - during several years of experiment. We had one instrument by which the operator - could detect water divided with mineral. Another by which a silver coin was found which I had buried myself unknown to the operator, between two points 100 feet apart. and when the instrument pointed, it was the exact spot to an inch. Now how do you account for these things - Just I tell you plainly - it does not do the right thing when operated on underlotted ground for mineral. There are numerous men who operate states - and I have watched their efforts and results carefully. I know one man who has never yet missed getting mineral in any shaft he has located with his stick. and he has quite a

number in operation now. Another man digs wells for a living - and he will contract beforehand at so much per foot for a certain depth and guarantee or filming stream at the depth he says. As far as the water goes it is quite a common thing to do that correct be - we never mind it, on the water question - and it is hard to find when you want it for it only runs in crevices - and the whole strata is limestone - and no surface indication to show where to sink. The very minds the subject is one that will prove a profitable field for investigation - I believe the whole action whence this is any is due to some electrical influence - and if the right thing could be declared, it would not take long to follow on to the right path. I know a man in whose hands a stick 3 or inch thick will twist itself entirely off and break completely while grasping it - as soon as the man walks over a body of mineral!

There is a lady out here - the wife of a very respectable man with whom I am well acquainted - when she stands over a heavy deposit of mineral will be subject first to a trembling - then a dizziness and if kept there still longer will faint dead away. She has been tried the way without knowing when she was standing - and the same effect was

Ann Arbor July 20, 78

portlands when are mines. She felt big pay whenever she will undertake to locate for others – but it affects her health so that it is only at long intervals she will consent to operate. My observation led me to the conclusion – that there is a principle as yet undiscovered – a connection between all electric remarks the surface and the atmosphere – and that connection is electrical – and that all the different conjectures to find water or minerals are only the effect of electrical influence on different organization – no two being exactly alike. All are cranks and inventors – yet they show the existence of a greater power – that might be made practical – if the whole thing could be made subject to established natural laws or an instrument that would work independently of the human organism. But the only way to get at it would be first to discover the working as it now is and to ascertain the cause – then ~~apply~~ arranging an independent instrument. I do hope you will answer me and give you views on the subject and test one if you have an instrument to use and send of force enough to you. Sequoia a practitioner and confidential friend who has been with me have and intends many of our experiments to make and see you – and be of your account any practitioner information. She resides in Ithaca. Is anxious to be of the great. Her brother – great interest in the matter – and can give you some interesting information if he should call. Again I beg of you to let me know your opinion on the matter.

Yours truly James D. Bancroft

Box 5 Ypsilanti Mich

J. C. TRIGG, City Attorney. O. D. ORNER.

TRIGG & ORNER,

LAWYERS,

Joplin, Mo. Sept 6 1878

Prof Edison
Menlo Park N. J.

Sir –

I learn through the press that you have discovered some chemical or subtle agent whereby you can determine with certainty the location of metals in the earth; this of course is only news paper report; and while such discovery may be possible (for I have come to the conclusion that anything is possible since your late marvelous inventions) of course I do not think it probable; still there is a wide field open for just such experiment. I know of no place nor no country that would hail with greater joy or would be willing to pay a greater price for the discovery that you are reputed to have made than we here in the lead field of South west Missouri as nine tenths of the labor

J. C. TRIGG, City Attorney. O. D. ORNER.

TRIGG & ORNER,

LAWYERS.

Joplin, Mo. 187

of production is expended in prospecting or sinking fruitless shafts to find where the ore bodies are located,

Now Sir let me ask you do you think that you have or can find any Chemical or anything else, that would have an affinity for lead or zinc ore with earth, limestone, and flint rock intervening? Lead is found here in all manner of shapes; in bunches or patches in leads (as defined wall rock as in the mountains) and pockets; from the top of the ground to 150 feet deep.

You will pardon me for trespassing on your valuable time on a seemingly hopeless subject, the only thing that emboldens me to thus address you is the insinuation that if such agent as the foregoing could be discovered there would be "Millions in it"

An early reply will be anxiously looked for by Respectfully Yours

J. T. McKnight

Geo Parsons
Media Pa

Ans'd Sept 20 78

Elec. to determine ore in mine

Media Pa Sept 14th 1878

Thomas Edison Esq

Dear Sir.

From the enclosed paragraph cut from the ~~Times~~ Delaware County American. I infer that you visited the mines of the West in your late trip to California,

What interests me is, what is meant by the conductivity of electricity, provided the walls are lined with clay or decomposed rock,

I am almost entirely ignorant of the laws of electricity & magnetism, and I cannot see how you can use any electrical machine to tele the wealth, depth & how much ore is in the lode, nor if it would tele under any circumstances

why it would not; like the walls be clay or rock, which they would most likely be.

I hope that you tested your theory, and would like to hear from you in regard to it; And also if it was by a Mechanical Machine or the Old Dutch Angel or Bleton system, if by the latter I have had some ten years experience and could give much information on it. but would like to get more knowledge from others who have practiced it & have experience.

I am interested in almost everything new but have never been able to differentiate on this as I would like, but I am satisfied that it will at no distant day be an established science and that all time engineering will be done by its rules or laws,

If you have ever investigated it or can give me any information in regard to it I would be very thankful. Being an entire stranger I hope I will not break into you time as much but what you can enlighten me some on the subject greatly.

Hoping that you had pleasant trip and arrived home safely I am very respectfully

Geo. W. P. Somers
Media
Del Co. Pa.

Edison's visit to Nevada has given him a new idea. He thinks that the electrical meter and point of croppings of a mineral lode may be determined by the difference of the conductivity of electricity, provided that the walls of the lodges are lined with clay or decomposed rock. He will test his theory on the Comstock lode when he returns from California. Should his plan prove practical, instead of running long tunnels, sinking deep shafts, or drill, a miner would apply the electrical apparatus, and thus find out how much ore there is in a mine, where it lies, its direction and the point where its croppings may be looked for.

Denver (Colorado) Tribune

T. A. Edison Esq.,

Dear Sir,

Having seen a description of your apparatus for testing the presence of gold in mines, I would respectfully beg to be informed of its cost, and your estimate of its practical value.

Should the information forwarded be satisfactory, steps will be taken to purchase from you one of the instruments.

Very respectfully
Wm. F. Slip

Buffalo,
Sept. 24th. 1878

Will the apparatus work when there is water in the mine?

321 California Street
San Francisco. Oct. 14th 1878.

Hon. . . . . .
Secretary . . . . . Mining Co.
San Francisco.

Dear Sir—

Mr. Thomas A. Edison of New Jersey has begun some scientific inquiry and experiments, with a view of devising means for effectively and economically reducing the temperature in the deep workings of mines.

He seems satisfied that he can accomplish this for enough to make it possible for men to work easily through an eight or ten hour shift.

To assist him in this, he has requested me to get as much information as possible regarding the present thermal condition of the principal mines on the Comstock Lode, and the effectiveness of the means now in use for ventilating and reducing temperature.

Believing that, in view of Mr. Edison's well known reputation as an inventor, and the importance of the result likely to be obtained, you will readily furnish the information he wishes. I enclose a blank to be filled out with such information as you may have or can easily obtain, and returned to me to be forwarded to him, or if you prefer, it may be sent directly to him, addressed, "Mr. Thomas A. Edison, Menlo Park, New Jersey."

I trust that you will add any information likely to be of any use to Mr. Edison, and at as early date as possible forward.

Very truly Yours
Howard Schuyler

Date _____

Name of Mine _____

Situation of Mine _____

Address _____

Levels from Common datum	Average Temperature in Shaft.		In Drifts. Distance from Ventilating Shaft.	Average Temp.		Remarks. Means of Ventilation employed. Condition of Air in mine. R. Saturated. P. Partially saturated. C. Dry.
	Summer	Winter		Summer	Winter	
At mouth of Shaft.						
400						
800						
1000						
1200						
1400						
1600						
1800						
2000						
2200 + 2400						

Attleboro Mass
Oct 7. 78
C W Barnes
Ans Oct 10 78

Attleboro Oct 7 1878

Thos A Edison
Dear Sir
I have the pleasure to acknowledge the receipt of your letter of 30th in reply to mine of Sept 30th. My business with you is in regard to a method for making gold wire which I have been led to believe perhaps you have or can make in Phila.
I think an invention of this kind of practical merit would be of great advantage both to the inventor and capitalist and being interested in inventing I should like to know if you would do so in case finding it on the market for sale [illegible]

[illegible]

[illegible]

for the introduction and [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

13 Doane St.

Mr T. A. Edison

Boston Oct 9. 1878.

Dear Sir

I saw an article from the "New York Sun". a short time ago. - in which was stated. that when in Colorado. you devised a means of indicating. the point or position in the lode. or vein where gold could be found in paying quantities = without the expensive and tedious process. of excavation. upon uncertainty.

And although such a seeming impossibility to me. who have been engaged in Gold Mining for twenty years. = yet from your remarkable discoveries in science. I am ready to believe anything possible for you to accomplish

If you have discovered such a wonderful agency whereby the costly & tedious operation of prospecting for gold may be obviated. I would like very much to arrange with you for its use. - upon such terms or royalty as may be agreed upon.

Yours Truly

C. F. McClure.

N Y Oct 17, 1878
E B Stanton
Ans'd Oct 18, 78

New York Oct 17/78

Mr T. A. Edison.

Dear Sir

A mining operation that has passed the examination of the best experts in the country for which all or nearly all the capital is pledged is in the hands of a friend of mine who can secure an interest in the management of the business by obtaining the necessary means for his expenses out to Utah. He can give reasonable security for the money and will divide his interest with anyone who

will advance him the necessary
sums about $1000 or $2000.
This is worth looking into and
I should be pleased to have
you introduce you to
him to examine his speci-
mens & maps.

This will mean the
closest scrutiny & you
will be associated with
the very best people

Yours &c
C. B. Stanton.

40 Broadway
Room 26

P.S. Come in at once if you
feel disposed to entertain it
C.B.S.

Mr. Mitchell thinks that Mr. Reed expects to return
to town at a day or two notice. Mr. Reed is
a Scotch gentleman of great experience.
Specimens of particulars I cannot tell you
but give a complete idea of the work
C.B.S.

New York Oct 20 1878

Mr E. M. Wilson

Dear Sir.

A friend has written from Canada inquiring about your instruments for locating oil. Will you please state whether such instruments are for sale & where they can be purchased, price &c.

Respy yrs
J. R. Brown
25 South William St

Port Huron Mich Oct. 23d/78

Prof Edison

Dear Sir

Perhaps I am trespassing too much upon your valuable time in asking a favor at your hands on the strength of former acquaintance. if so please pardon my presumption.

I am desirous of knowing the "Modus operandi" of your invention that tells, or by which Gold & Silver can be found. Would you send me a description of the apparatus? What do you charge for it? 4 6 8 6 Would you sell one to one of us benighted heathen of Michigan? My reasons for these enquiries is I have an inkling where some money is buried and want to test the matter. hoping you

you will favor me with
a reply at your earliest
convenience I remain
Very Truly Your
Obt Servt
C. B. Vorhees

Thos. A. Edison
Menlo Park New Jersey

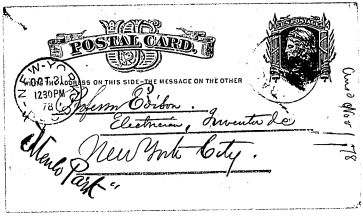
Phonograph
Cylinders
Cued at 25 T.S

Centralia Boone Co Missouri Oct 28/45

Prof Edison. Electrician & Inventor &c

My dear Sir. I saw first allusion to some experiments of yours in Nat to utilize electric influence in tracing the presence of metal deposits below ground as from your notes with that over the period - I am a civil engineer and mechanical engineer & frequently perform geological surveys & explorations. I should be happy to have your & your associates you may have issued on this & any other useful discoveries in electrical science or other branches of Science & Art. I am Co. Editor in Journals devoted to these things. I will cheerfully reciprocate & do you any service I can in return for the favor.

Very truly Yours William G. Hutchison (C.E.)


POSTAL CARD
FOR THE ADDRESS ON THIS SIDE—THE MESSAGE ON THE OTHER
N.Y.
OCT 31
1230PM
78
Thomas Edison.
Electrician, Inventor &c
New York City.
Menlo Park N.J.
Oct 30 78

JAMES S. GLAZE,
ATTORNEY AT LAW.

REFERS BY PERMISSION TO

JUDGE DAVIS CLIFTON,
REV. R. A. HEIDEGGER, M. C.
W. L. CHAMBERS, ESQ. } Montgomery, Ala.

HON. ROBERT TOOMBS, Washington, Ga.

PROF JOHN B. MINOR,
PROF. S. O. SOUTHALL. } University of Va.

Montgomery, Ala. Nov. 8th 1878

Prof. Edison,

There was a statement in the New York Sun to the effect that you had, while out West, made some use of electricity to discover the location of various ores (gold, copper &c.) without the work of excavating the ~~ground~~ earth. Will you send me full particulars? I will pay for said information. Please reply as early as you can.

Very truly &c.

J. S. Glaze

Cuthbert, Barnes C. Mission
Oct 12/78

Please what is your address
Yours Truly
Prof. Thomas A. Edison
Menlo Park N. Jersey.

My dear Sir

I am much obliged by your courtesy in response to my enquiry on the subject of the alleged Mineral Electrometer – which has been described in some papers as on the Keely principle, as being the same actual manifestation and improvement on the mysterious "Divining Rod" – "Dowsing Rod" and "Water Witch" as some simple continuous and singular use of certain forms of fruit-bearing wood, have been thus styled in various Countries of the Old and New World as used for these purposes – that is to trace out and discern underground flows of water and metallic veins. My profession being that of Civil, Hydraulic Mechanical Engineering, also embracing sometimes for long periods, the connection of Geological Surveys and Mining or Physico-Chemical Explorations, – in all nearly all parts of our Continent, has been a course of thought naturally sensitising my mind to all possible expedients and the discovery of appliances, which might be thought to help or facilitate the finite powers of man, in hunting the courses of subterranean waters and tracking upon a prospecting for metal deposits in "Vein Geography". I shall be much pleased, if you would consider it agreeable for yourself and me to correspond and interchange views and ideas upon these subjects. Scientific books! are from scientific writers. I have seen and proven so many faults in one and varities in the other, in numberless test methods and practical applications, as to pin my faith to but

I will be at this address for one week longer, if you wish to write me, after that my permanent address will be Oakland Cal. so kindly let me know if you prefer to address it to Oakland Cal. instead of Cuthbert.

so far so-called orthodox opinions. There are so many bigots of the propaganda, so many empyricisms of the plagiarists, so many silly sophistries of the mere typees in science, so many afish unshippings derived to false notions, so many ostentatious displays of learned lecture in the attempt of persons to palm off their quotations from sources of wisdom as being their own offspring, and in so doing they talk a blunder in the dark.

I have no doubt but that you, in your travelling through the realms of physical sciences, occult arts and technical studies, — have seen and been shocked at the same occurrences. There are many wise-acies in the world, whom the world will never know and there need be no requiem sung over their graves, when they have been "gathered to their fathers". The Hour strikes on when the curtain goes out! In the course of an active life, spent in engineering, exploring, mining, designing and building, and in scientific investigations of various subjects and departments, which these eminently practical and demonstrative pursuits naturally bring up, — I have thought the matter of the "Odeic" or "Od" Divining Rod, (in these opposite lights) Nature's way it may correspond — in as much as it is handed down to us through the traditions of all the primal or distinctive superior nations of Europe, and inasmuch as its use is confined in by a very large majority of all the classes of all European nations, whose subsistence depends on useful pursuits in well-digging, exploring, mining, and otherwise working in subterranean regions, on the crust strata of the Globe, — I say, I have often thought the wide-spread existence of this legendary myth if it be only a "myth" — is the strange aspect which is calculated to strike attention in a commonsense way, and this is the way I have been induced by patient observation and gradual reasoning to view the subject, and reflect upon its consequences and surroundings in the mysteries of unknown matter, — in the hidden arcana of Nature.

The Divining Rod — is often tried untrue. That is the debate. Who can solve it? "Quien Sabe?" — utter the Spaniard — learned or unlearned, — When he is interrogated upon a point in which he is not enlightened — "Quien Sabe?" he repeats and declares with a prolonge shrug of the shoulders and a pilly wag of the head. The anglicising of this into the tautological mess — and non-commitalism — and evasive departure of "Who knows?" or — "Who can tell?" — is no performance of the duty of language and no exhibition of the rationalism of mind. It is a strategy and subterfuge to escape. It is an artful dodge. The other strange aspects which surround the legendary use of the Divining Rod, show among other things that so grand a discoverer, so correct a reasoner and so sincere a scientist as Lord Bacon, was a believer in it, then is something we can't evidence, nor dispose, nor dispute. This philosophy was the particulate of Nature, and Nature is the vast and limitless Library of Cosmology — the unexplored, unvisited, unknown, unnumbered Sources of Matter in all their modified myriads of cycles. I have been collating the opinions, opinions and practices of men of all nationalities in all the technical trades which at various times in different places far and near, — bring into exercise the very deceit forms of the simple little contrivances called in the books of the past — the "Divining Rod" — and more incongruously dubbed in the vernacular of unknown the "Water witch". In Chambers Miscellany you will see some particulars allusions to it. Wherever it is seen in print referred to, the vanity, folly and dulness of ostentation of bookmen and sciolist philosophers — who are both alike so often gabbled empyricists of stupid drones, — cause them to stigmatize it as a "vile superstition".

Always in Boston
Mass.

They even go so far as to anathematize it, as being, when believed in by any minds of reputed intelligence, as a direct proof of ignorance and self-stultification. Now it is very true, that Science so often blends among illiterate rude and vulgar creatures — "the fools are not all dead" a declaration in which they never include themselves. Human ignorance runs with animal cunning. The foxy Hogue exclaims "Stop Thief!" to divert his pursuers. and his hideous thirty hit over escapes.

It is a remarkable fact, which I think both you and I must admit, is worthy of notice that the Miners and mine-hunters of the World are, when fairly compared with the Quarters in all other pursuits and industries of mankind, — are companions in intelligence to all and largely superior to most of them. Another fact is this, that a similar quantum proportion of them are honest in conduct and religious in belief; consequently they count because others unbelieve they also become themselves, and this is denied by the premises already granted. So a long series of investigations, which I have patiently given to these subjects, more from a wide-spread curiosity and partly from a love of nature, arts, antiquity and habitions, — I have seen that they are approximately 9/10 of all Miners, Well-Diggers, obelisks, rock and excitation of the World at large uniform, earnest-faithful believing in the "Word" as the "Holy Ghost" and reveal the presence of Angels & Metals below ground! A most sensational and well-connected Business of one-fourth large Northern Cities, eminent in Railroads, has been devoting Rivers off to the Background of the history and phenomena of this singular subject. I have carefully noticed what you say about the restricted conditions under which you have knowledge to attest from Instruments as only in the case of the "Consistoch-rose", But I beg to suggest to your rational & comprehensive mind and systematized self-education, that "Dark Geography" is continually developing its strange and marvellous manifestations & changes throughout the Whole World. There are possibilities of always finding a property to notice the perhaps of any and every kind of Mine of any & every substance not known in Mineralogy. I believe it is practically very much new knowledge to be developed by the means and appliances in the Mining Bottle-Mail. I mean where Mutual Mining exchange opinions & hold "Polarizing Conversations" with each other. I believe other things of are in store for you. I esteem your genius and mind, like to every your Intellect. I appreciate Motives & Effort de Corps" are influences causing me to write & believe that I will agree with you.

I am very truly yours. William G. Atkinson (C. M. Engineer)

[ENCLOSURE]

My dear Sir I beg to enclose Postage Stamps to repay
mailing all copies of printed papers, which I may can
find the comment a equable to spare me — as frequent
If I can do anything in any of my several lines to reciprocate
that would be some way which I would hope to reciprocate
I hope this letter will find you, as the spirituality was to say — (Immortality)
"in Christ" — in reason — I shall be glad to hear from you.

[ENCLOSURE]

William G. Atkinson (C & M Eng.)

Engineer, Supt., Geologist, Metallurgist & Business

P.O. Box 46 Contractor Bonnie C. Thurston.

I will say upon change my address & think maybe St Louis or Cincinnati as I am looking to locate myself in some eligible populous center for more business in my pursuits. In view from having surveyed professional interchanges, & any possible alliances, where we might help each other & perhaps to mutual advantage, I beg leave to refer to you my References. Some of them are new to you. As my Work & Labors, Mines, Roads & Structures have been in various parts from Contract for over 25 years. My References are to gentlemen & companies with whom I have made a deal or service in Civil Engineering, & Work & Supervision of Mines & Structures. Numerous you will note, somewhat similarly change your numerous transportations & in parties may not be hard to find. Most of them have not been for you 25 years, but they all will pay, and on your inquiries & probably give answers about me & my business &c &c.

References

1. Henry Flachsteine, Chief Engineer, Allegany Valley, Rd. Co., Pittsburgh Pa.
2. John C. Meissner, Gen. Supt., Steinway Iron & Railway Co., 42 Park St. New York.
3. Cornelius E. Dalrymple, (Capitalist in Coal & Iron) 111 Broadway New York.
4. Hon. Andrew Hay, State Inspector of Mines, Columbus, Ohio.
5. Robert Cravens, Iron Master & Coking Ovens (Iron ores) Chattanooga Tenn.
6. Major David L. Grant, Lawyer, San Francisco Cal.
7. Hon. Thomas C. Walsh, Ex State Comptroller Assumption 206. N. 4th St. St. Louis Mo.
8. Dr. J. R. Fornito, Consulting Engineer, Baltimore Md.
9. Benj. H. Latrobe, do do

Ditto — do — do

As I am expert in all varieties of Blast Furnace Work I should also be pleased to have some best Statistics of my various Structures in Mechanical, Mining & Metallurgical &c &c.

May I come to see you before I leave the city? I will be at the Hotel Normandie for a few days, & will be pleased to see you at any time.

Centralia, Boone Co, Missouri. Nov 18th/1878

Prof Thos. A. Edison. Menlo P. N.J.

My Dear Sir. Please accept my grateful thanks for your agreeable & interesting favor dated 15th inst by this mail in hand. Please receive my compliments for the advice of places to find the books you named. I lament very much indeed the exhaustion of your stock of descriptive papers discussing the various things on which you have been. These Europeans are always trying to run along with our American excellences and novelties & utilities of inventive genius. If you can come across any stray lot or saved pack of papers — if you will spare me the [illegible] I will try to be sensible & cautious and reciprocate. Can we not arrange you & me to work in Co on the possible appliance of a Mine Galvanometer. I know of ways to make it a grand success. but I wish to unite your experience with mine. I will be glad of [illegible] Yours [illegible] W. G. Atkinson

Minersville Cal.
Nov 18. 78

A. H. Gabriel

Ans'd Nov 29 78

Minersville Trinity Co California
November 10th 1878.

Professor Th.s Edison
Menlo Park
New Jersey.

Dear Sir,

In the Weekly Sun of Sept. 18th last I read that "While in the mining districts of the West, recently, he devised a means of determining the presence of Gold below the Surface without resorting to costly and laborious boring and blasting"

In the Edition of the Sun of Nov. 6. I am advised to write to You Sir, in regard to the invention named and that You will probably give the required information for a consideration.

For 20 years I have been mining with poor results. So far

I grant, with many ups and downs and by far more of the latter than of the former, but not discouraged yet. I push steadily but slowly ahead.

If the invention above named is purchasable and within reach of a poor man's purse, to many it will prove invaluable, consequently Sir, I beg the favor of being made acquainted with all the information on the subject, provided there is no indiscretion in asking it.

Enclosed stamp for return letter.

In the hope of a prompt answer I remain Dear Sir, respectfully

Your Obedt Servt

A. H. Gabert

Centralia Boone Co Missouri Nov 1/78

Prof Thos A Edison - Menlo Park N.J.

My dear Sir. Please send me name of the agents of "Baxter Magnetic Engine Company" if you know or can find it. I seriously infringe the patent. I am greatly pained by your valued advices before. I write you last week -

I am truly yours William J. Attinson

Engl. Inventor & Inventor

Centralia Boone Co Missouri. Nov 22, 1878

Prof Thomas A Edison. My dear Sir. Since you My best thanks for your kind & prompt answers to Baxter Motor Co - formerly in Boston & N.Y. Regarding my other & minute enquiries as to Prioritor Capital of your proposed Journal & Circulars, pamphlets &c - if you can engage any strong lot of conscientious Detectives & Men, please remember my request to keep Memorandum of your address & Price for me. Company my dates if I can accompany me of Note to you. I am Yours truly & Obedy Wm J. Attinson

P.S. Please send me a copy of your Patent of Microphone & Phonograph & can publish. Yours W.J. Attinson

Edison's

Electric Pen & Multiplying Press

address

Geo. H. Bliss
General Manager. 142 So. Dalle St.

Chicago Dec 14th 1878

T. A. Edison. Esq
Menlo Park N. J.

Dear Sir.

I have written you a long letter about a silver mine in Colorado, when you can find time to read it. Unless there is some infernal lying done by some of the best men in this city, it is worthy even of your attention. I do not wish to force the matter but if you neglect it the opportunity to get a more than good thing may be lost. Resp.

Geo. H. Bliss
Gen. Man

1 H

Edison's
Electric Pen & Multiplying Press
address

Scott H. Bliss
General Manager. 142 So. Dalle St.

Chicago Dec 14th 1878

T. A. Edison Esq.
Menlo Park. N.J.

Dear Sir.

Mr Dane of the former firm of Dane Welsslake & Co which was one of the largest manufacturing establishments ever in existence in this city has come to me recently with a mining scheme. A friend of his whom he has known for years has become interested in some mining property & he is trying to induce him in buying out a part interest of the other owners so as to get the control in the hands of persons who are

2 H

able to work the mine. This property is located about 60 miles from the present terminus of a branch of the Denver & Rio Grande Ry, in San Juan Mining District, Colorado. This road is being extended & will reach within 30 miles of the property next year. There are two silver mines in question, one the Olive Branch about two miles from the small town of Animas Forks in which there are 50 or 60 houses. The other the Eclipse is two & a half miles from the same point. The Olive Branch claim has been opened sufficiently to show a rich deposit of ore but has not been worked to any considerable extent. On the Eclipse mine there has

been considerable work done for two or three years past & it has been opened in several points & is now in condition to yield good ore at once, & it is claimed continuously. In connection with the same property there is owned an extensive mill site adjoining the town of Animas Forks. The parties who own this property are without means to erect a dam, mill, & stamps necessary to crush the ore. Hence the mines are idle. It is claimed that the ore in the Eclipse mine will yield an average of 200 ounces silver per ton; that it will cost $25 per ton of ore to mine & get the silver into bullion. There is a good road from the mine to the mill site so that the ore can readily

be hauled to the mill. Only a few men can work in the mine to start with but the force could soon be increased if advisable. It is estimated that $5000 will erect a suitable dam & building & put in the stamps needed to get out five tons per day which, according to the theory, would yield $1000 per day at an expense of $125. Dan has perfect confidence in the truthfulness of the representations made & in the title to this property. It is proposed to sell a half interest in the property for $25000 of which $5000 is to be applied to the erection of stamps & mill & dam, & in mining the ore. $20.000 goes to the two parties interested in the mine who want to

sell out. The parties remaining in are willing that the $25000 invested shall be paid out of the first product of the mine, after which they expect to receive $5000 from the product to reimburse them for the cost represented by the dam, stamps, & building. After this, dividends would be divided in proportion to the interest held by the different parties. Dane has no ready money but he has $10,000 worth of real estate which he is going to put in at cash rates for a two tenths interest. He wants me to find some one, who has $15000 in cash, to take the other three tenths. You are the only person I know at present who is likely to have that amount

of spare cash on hand to make an investment of this character. The parties who own the mine do not want a cent invested until the purchaser has sent his own representative to the mines & made the most careful examination of the title to the property & its value, which they claim can be proved to the entire satisfaction of any competent party. Both these mines are fissure veins, the Eclipse vein is 1500 feet in length & 30 feet wide, which is claimed to be in an unusually large body of rich ore. Field Decker & Co each have a silver mine which is paying them about $1000 per day.

N.T.

I suppose you want something of this kind. If you do not invest it wont be my fault for not having presented it. I send you some rough maps to examine. If you dont want to entertain the proposition please return them. People this way have enormous ideas in regard to your income, & I know that you could carry this thing through if you took the notion. I have pressed me very hard to submit the matter & I have discharged this duty out of respect to an old friend. There is no law compelling you to read this letter unless you choose to do so.

Respy

Chas. W. Bond
Com. Mon

New Glasgow NS
Dec 23.78

A Wallace
Ans'd Dec 27/78

New Glasgow Nova Scotia
Dec 23rd 1878

Sir Sir

Having seen by the prospectus of your having invented a Machine for determining the presence of Gold below the surface without the expense of sinking a shaft or boring I beg leave to request that you will be pleased to give me the particulars of its merits as also its cost, also inform me if it will work in the hands of any person who may have it. I understand there is one owned by a Canadian Mining Company that worked only well in the hands of a certain person which is not as efficient as one that any person could use. Hoping that you will favor me with a reply I am

Yours Truly
Albert E. Wallace
Photographer New Glasgow N.S.

Mr Wm Allison
Secretary

1878. Patents (D-78-028)

Included in this folder are patent applications, patent assignments, and a caveat. There is also an essay and a preliminary statement by Edison; correspondence, some of which is by Edison; a memorandum; and patent-related accounts, bills, and receipts.

Printed patents by Edison and by Eugenio de Zucatto, and duplicate copies of filmed documents, have not been selected.

Lemuel W. Serrell's

OFFICES FOR PROCURING

American & Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.)

New York Jan. 2nd 1878.

T. A. Edison Esq.

Dear Sir:

I have to advise you that the 3rd years tax on your English Patent on Duplex & Multiplex Telegraphs. dated Feb. 2. 1875. No. 384. is due Feb. 2nd 1878.

The amount of this tax is £275.00 specie, including expenses, and the funds and patent should be sent from here by Jan. 17th in order to reach London in time.

Please let me know your wishes in the matter.

Yours truly

Lemuel W. Serrell

per Cooney

Lemuel W. Serrell's

OFFICES FOR PROCURING

American & Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.)

New York Jany 22 1878.

Thos. A. Edison Esq.

Dear Sir

The present is to notify you that the six months allowed by law in which to pay in the balance of fee on your Impt. in Synchronous Movements will expire on Feb. 2nd 1878.

The money should be sent from here a few days before in order to save the patent

Paid

Yours Truly

Lemuel W. Serrell

W. Serrell

Lemuel W. Serrell's

OFFICES FOR PROCURING

American & Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4698.) New York, Jan. 28th 1878.

Thos. A. Edison Esq.

Dear Sir:

There has been action on several of your cases, concerning which I would like to see you at my office, at your early convenience.

Yours truly

Lemuel W. Serrell

per Pinckney

Thos A. Edison Esq.

NEW YORK, Feb 1 1878

SPECIFICATIONS, MECHANICAL DRAWINGS, CAVEATS, ASSIGNMENTS. } ACCURATELY PREPARED

AND

RE-ISSUES, REJECTED APPLICATIONS, EXTENSIONS, INTERFERENCES, etc. } PROMPTLY ATTENDED TO.

To LEMUEL W. SERRELL,

Solicitor of American & Foreign Patents,

76 CHAMBERS STREET.

To Balance fee on Synchronous Movements case	20.

Rec'd Payment

Lemuel W. Serrell

Pinckney

New York Feb. 6. 1878.

$150.00 Received of Thomas A. Edison Esq.
One Hundred and Fifty Dollars on
account of bill rendered on Patent business

Lemuel W. Serrell
Atty

Mark Oblig'd J.W.S

Lemuel W. Serrell's
OFFICE FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4680.) New York, Feb. 6 1875

T. A. Edison Esq

Dear Sir

In the telephone circuit case left with me I think I can put the various modifications (or subject matter) because the whole subject is new and can be secured by one broad claim; I do not remember any case, except your foreign patents, where any such means are shown for neutralizing the induction currents. —

In the second of the recent cases you will have to make a division, and take at least three separate patents; one for the acoustic receiver having numerous diaphragms & the other for the speaker and receiver on the fork; and the third for the receiver shown in Fig. 3. These are all separate and distinct receiving instruments, and neither one is a modification of the other, hence must be patented separately: The call can be put in one of the applications whenever it will come in the best. — Perhaps we could get along with two applications if the device of Fig. 3. was made as one of the receivers on the fork. —

Please let me know how it is desired this matter should be prepared —

Yours truly

Lemuel W. Serrell

Lemuel W. Serrell's

OFFICES FOR PROCURING

American & Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.) New York, Feb. 9 1875

Thomas A. Edison Esq.

Dear Sir

The Western Union Telegraph Company require certain designs in connection with some of your applications.

Please call at your earliest convenience to see about these.

Yours Truly

Lemuel W. Serrell

Wells

Geo. H. Bliss, Gen'l Man'r

OFFICE OF ELECTRIC PEN & DUPLICATING PRESS.

220 to 232 Kinzie St.

Chicago Feb. 14 1878

T. A. Edison Esq.

Dear Sir;

Recd a letter from Paris 28 that your Phonograph patent is allowed in France and several other countries but could not say which.

Respectfully

G. H. Bliss

Lennel M. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4630.) New York, Feb 15 1878

Thos. A. Edison Esq.
Dear Sir
When you were in today I forgot to ask you what you were going to do in the interference case of Edison vs. Hawkins for Acoustic Tel. Case No 732.
Please answer.

Yours truly
Harold Serrell

U. S. Patent Office, Feby 15, 1878.

Received of M. A. Paine for T. A. Edison twenty dollars, the ~~principle~~ on his application for a patent for Phonograph.

$ 20

D. Brown
For the Commissioner.

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689.) New York, Feby. 20 1878

Thomas A. Edison Esq.
Dear Sir

In the matter of interference between yourself and W. P. Jackson on Addressing Machines my present is to say that the Office has decided the same in your favor.

Jackson can appeal within 20 days.

Yours Truly
Lemuel W. Serrell
Per Ferrell

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689.) New York, Feby. 21 1878

Thomas A. Edison Esq.
Dear Sir

Enclose assignment on Acoustic Telegraphs Case No 124 from yourself to WUTC.

This is the case in which eight messages are sent in different directions over one wire at the same time.

This case has been charged to the WUTC. but not yet assigned.

Please sign and return with the others.

Yours Truly
Lemuel W. Serrell
Ferrell

Z W Barrett
Feb 21. 1878

Office for Patents.

119 & 121 NASSAU STREET,

76 Cortlandt St

New York, Feby 21, 1878

Dear Sir:

It affords me pleasure to inform you that on Feby 11th 1878 your application for a Patent on No 14 of Speaking telegraphs was duly allowed.

The Patent will be engrossed for issue on the receipt of TWENTY DOLLARS, the balance of the fee payable thereon, if received within six months.

Yours Truly,

LEMUEL W. SERRELL.

To Thomas A. Edison Esq

Keep this [illegible]

Lemuel W. Serrell's

OFFICES FOR PROCURING

American & Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4681.) New York, Feb. 25th 1878.

Thos. A. Edison Esq.

Dear Sir;

Your application for Patent No. 125 - filed Mch. 26/1877 has been adjudged to interfere with the patent to W. E. Sawyer No. 195,236, dated Sept. 18th 1877.

The preliminary statements must be filed before Mch. 18th 1878.

Yours truly

Lemuel W. Serrell

Per Pinckney

Subject matter of interference on other side.

"The combination with a rest upon the paper; a point operated by the undulations of the paper surface; and a circuit closer and electric circuit to a distant receiving instrument."

Dis. [illegible]

Lemuel W. Serrell's

OFFICES FOR PROCURING

American & Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4580.) New York, Feby 26 1878

Thomas A. Edison Esq.

Dear Sir

I would like to see you tomorrow or Thursday at the latest, on some very important matters.

Yours truly

Lemuel W. Serrell

L. W. Serrell

P.S. Among other things the balance of fees on cases No 124. Acoustic & 127. Telephones must be paid in before saturday in order to save the patents, and I have no instructions on the same. —

L. W. S.

Lemuel W. Serrell's
OFFICE FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689.)

New York, March 6 1878

Thos. A. Edison Esq

Dear Sir

We could not find your $100. note and telegraphed you to learn where it was and have received no answer — What shall we do?

Your patent on Phonograph came to hand this morning: I do not find that the balance of fee went through my hands, and I do not remember that anything was said about sending it on, hence I presume the Gains must have paid it in, so as to have the privilege of recording their communications!!

In regard to your letter received yesterday concerning further foreign patents on Phonograph I think it will be best for you to look over the drawings and spec: as we have them, leave out any unnecessary matter, and add any improvements: It will also be necessary to consider the best mode of proceeding: I expect to be away from my office Thursday and Saturday, but in, during Friday & Monday, please call in and oblige

Yours truly.

Lemuel W. Serrell

Copy

New York March 15. 1878

Theodore Puskas Esq

Dear Sir.

Mr Edison informs me that you have telegraphed him to take out all other countries, on the speaking telegraph and the phonograph

So many improvements have been made, that I have advised a new set of papers, leaving out any useless matter, and adding the improvements. Mr E is selecting these matters and the papers will be proceeded with as rapidly as his action will allow for. Meanwhile, I send below particulars of different countries so that you may select the ones you require and advise what to do. I have given the prices as near as I can for each country, as the drawings, specifications, translations &c will be quite expensive. Where several are taken together, a deduction will be made, so far as the drawings &c of one case may be available for other cases.

		About
Norway,	5 to 10 gns. Draw. spec trans. Taxes	185
Sweden,	5 to 15 " " " " "	200
Denmark,	5 to 10. " " " "	195

Switzerland, does not grant Patents
Portugal, 5 yrs. Drawg, Spec, Trans, Taxes, $300.-
British India, 14 yrs. " " " " 220.-
New South Wales, 7 to 14. " " " 235
Queensland, 7 to 14. " " " 235
Victoria, 14 " " " " 220
Cape of Good Hope, 14. " " " 200
Japan, no law as yet
Cuba, requires attention there expenses range from $50 to $60
Mexico, Expenses rather arbitary and uncertain (like the government) estimated about $500 –
Brazil, People superstitious, opposed to inventions, requires personal attention, expenses $300 to $500
Chile, Do Do about $400 to $500

Please give me your early instructions and let me know whether it will be the most convenient to remit to me, or to pay in London to my agents there.

I hope all matters are going on satisfactorily, and that you will succeed in getting the attention of the poobahs as you have the ears of the world, and thus reap for Edison & yourself an independence

I remain Yours truly
(Sign) Samuel W Serrill

Rec'd Sept 1878
Ans

Lemuel W. Serrell's
OFFICE FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689.) New York, March 11 1878

T. A. Edison Esq

Dear Sir

The Spanish papers on the Electric pen are all ready

I have a power atty, signed by you to which the Consuls certificate will be obtained: Shall I send them to you, or directly to France, if the latter to what address?

I have obtained particulars from the various Consuls and have sent to Mr Puskas a letter of which enclosed is a copy: I am ready for the particulars on this matter from you —

I expect three or four notices of allowance on your acoustic cases which I arranged with Townsend on Wednesday:

The Patent Office is very desirous of a phonograph. —

There will be four or five interferences on Acoustics, they are just ready to be declared. —

The balance of tracings are nearly complete: and will be ready with the claims for Tuesday next. —

I will have preliminary statement copied and sent when received back from you

Yours truly

Lemuel W. Serrell

Pl Butt

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company **TRANSMITS** and **DELIVERS** messages only on conditions, limiting its liability, which have been assented to by the sender of the following message:

Errors can be guarded against only by repeating a message back to the sending station for comparison, and the Company will not be held responsible for any other than a mere mistake in delivery of Unrepeated Messages, and the Company will not be held liable for any error in the transmission or delivery of Unrepeated Messages, arising from causes beyond its control.

A. R. BREWER, Sec'y. WILLIAM ORTON, Pres't.

Dated New York Mar. 18th 1875

Received at

To T. A. Edison

Time on Sawyer interference Extended three days.

S M Lovell

8 Collects

READ THE NOTICE AT THE TOP.

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689.)

New York, March 19 1878

Dr. Thos A. Edison

My Dear Sir

Another snag. — In your application 137 on Addressing Machines the Patent Office writes that the patent 171,430 has been discovered as containing the porous surface ~~from~~ for printing from: I find that this was applied for Nov. 2. 1875 by Eugenio de Zuccato of Italy, and describes porous paper to be prepared with varnish at the parts where there is not to be an impression and the ink is forced through. — I have sent for a copy of this, and probably it will be best to amend your application so as to avoid the delay and risk of his having some patent in Italy earlier than July 1875 and thus antidating you; What do you say on this matter? Yours truly

Lemuel W. Serrell

The expense of your chemicals on foundation of Canada & Foreign & allowance are entirely Extra. Will you send in for them?

U. S. Patent Office, Mar 22, 1878.

Received of W. H. Parker for T. A. Edison

Twenty dollars, the final fee on his application

for a patent for Speaking Machine

(Case 135)

$20 — L. Bacon

For the Commissioner.

Samuel

Lemuel W. Serrell's

OFFICES FOR PROCURING

American & Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4681.) New York, March 22nd 1878.

Thos. A. Edison Esq.

Dear Sir:

In the matter of the interference with Sawyer, (Case 128) the Patent Office has notified me that your testimony must be closed by May 13th 1878.

Testimony on behalf of Sawyer must be closed by April 22 1878.

Rebutting testimony by May 25th 1878.

Hearing June 17th 1878.

I will let you know when I receive notice of Sawyer taking testimony.

Yours truly

Lemuel W. Serrell

per McKey

L W Serrell
Mar 22 78

Office for Patents.

119 & 121 NASSAU STREET,

76 Chambers St

New York, March 25 1878

Dear Sir:

It affords me pleasure to inform you that on March 22 1878 your application for a Patent on Acoustic Telegraphs No. 157. was duly allowed.

The Patent will be engrossed for issue on the receipt of TWENTY DOLLARS, the balance of the fee payable thereon, if received within six months.

Yours Truly,

LEMUEL W. SERRELL.

To Thomas A. Edison Esq.

Lemuel W. Serrell's

OFFICES FOR PROCURING

American & Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.) New York, March 27 1878.

Mr T. A. Edison Esq.

Dear Sir:

The time for taking testimony in the Haskins interference has been extended to the latter part of May.

Yours truly

Lemuel W. Serrell

per McCoy

Lemuel W. Serrell's

OFFICES FOR PROCURING

American & Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.) New York, March 28 1878

T. A. Edison Esq

My dear Sir

I send herewith draft of an agreement, and hope you will with Mr Pushas as I proposed: Please examine this carefully and compare it with the L. S. & Co's contract and see that it correctly covers all points you can think about. Let me have it so that duplicates can be made for execution —

What is to be said about the other countries in which patents are to be taken? is Mr Bliss interested in them? Will a new contract be needed or can either the past or present one be extended to cover these countries.

Yours truly,

Lemuel W. Serrell

Room No. 118

All communications should be addressed to the Commissioner of Patents.

[No. 14.]

[INTERFERENCE.]

(Case H)

DEPARTMENT OF THE INTERIOR.

United States Patent Office,

Washington, D. C., Mar. 27th, 1878

Thos. A. Edison
Care Munn & Co.
Washington, D.C.

Please find below a copy of a communication from the Examiner concerning your Patent for "Duplex Telegraph Apparatus" No. 162,633, April 27th 1875.

Very respectfully,

Ely Pear

Commissioner of Patents.

249/78

Your case above referred to is adjudged to interfere with the application of Henry C. Nicholson, filed May 11 1876, Allowed 27 Mar. 1878, Assignor to Frank Millward & Cincinnati Ohio. B. C. Fitch Atty. Washington, D.C.

and the question of priority will be determined in conformity with the rules accompanying this. The preliminary statement demanded by Rule 31 must be sealed up and filed on or before the 29 day of April, 1878, with the subject of the invention and name of party filing it indorsed on the envelope. The subject-matter involved in the interference is The combination of one stationary & two independently operated keys, connected in the same circuit one reversing & contact

the polarity of the line current and the other whenever operated to control the tension of the line current without in any instance changing its polarity.

(Nicholson's 1st claim)

The combination with a main line at one station of a relay controlled by change of polarity and a relay controlled by change of tension, arranged to simultaneously receive two messages and at another station two independently operated keys connected in the same circuit one serving to control the polarity of the line current and the other whenever operated to control the tension of the line current without in any instance changing its polarity.

(Nicholson's 2nd claim)

The subject matter of this interference is substantially embraced in the 3rd claim of Edison.

Room No. 118

All communications should be addressed to the Commissioner of Patents.

[No. 14.] [INTERFERENCE.]

(Case 11)

DEPARTMENT OF THE INTERIOR,

United States Patent Office,

Washington, D. C., Mar. 29, 1878

Thos. A. Edison
Care. Munn & Co.
Washington D. C.

Please find below a copy of a communication from the Examiner concerning your patent for "Duplex Telegraph Apparatus" No. 162,633 April 27th 1875.

Very respectfully,

Ely Pear
Commissioner of Patents.

Your case above referred to is adjudged to interfere with the application of Henry C. Nickerson, filed May, 11 1876. Attys of Record Frank Mellowood, Cincinnati Ohio. B. & J. Coles, Atty. Washington, D. C.

and the question of priority will be determined in conformity with the rules accompanying this. The preliminary statement demanded by Rule 33 must be sealed up and filed on or before the 29 day of April, 1878 with the subject of the invention and name of party filing it indorsed on the envelope. The subject-matter involved in the interference is — The combination of one station of two independently operated keys, connected in the same circuit one serving to

control the polarity of the line current and the other interference operated to control the tension of the line current without in any instance changing the polarity

(Nicholson's 1st claim)

The combination with the main line at one station of a relay = actuated by change of polarity and a relay actuated by change of tension, arranged to simultaneously receive two messages and at another station two independently operated keys connected in the same circuit one serving to control the polarity of the line current and the other interference operated to control the tension of the line current without in any instance changing the polarity

(Nicholson's 2nd claim)

The subject matter of this interference is substantially embraced in the 3d claim of Edison.

A. Pettit
Examiner
Mar 2 1878

Room No. 116

All communications should be addressed to the Commissioner of Patents.

[No. 14.] [INTERFERENCE.]

(Case H)

DEPARTMENT OF THE INTERIOR,

United States Patent Office,

Washington, D. C., Mar. 27, 1878

Thos. A. Edison
Care Munn & Co.
Washington, D. C.

Please find below a copy of a communication from the Examiner concerning your Patent for "Duplex Telegraph Apparatus" No. 162,653 April 27th 1875.

Very respectfully,

Ely Pear

Commissioner of Patents.

Your case above referred to is adjudged to interfere with the application of Henry C. Nickerson filed May 11th 1876 Office of Reg. Frank Mittman, Cincinnati Ohio, R. & J. Oils Asso. Wash. D.C.

and the question of priority will be determined in conformity with the rules accompanying this. The preliminary statement demanded by Rule 31 must be sealed up and filed on or before the 29 day of April, 1878 with the subject of the invention and name of party filing it indorsed on the envelope. The subject-matter involved in the interference is The combination at one station of two independently operated keys connected in the same circuit one serving to control

the polarity of the line current and another whenever operated to control the tension of the line current without in any instance changing its polarity.

(Nicholson's 1st claim)

The combination with the main line at one station of a relay controlled by change of polarity and a relay controlled by change of tension, arranged to simultaneously receive two messages and at another station two independently operated keys connected in the same circuit one serving to control the polarity of the line current and the other whenever operated to control the tension of the line current without in any instance changing its polarity

(Nicholson's 3rd claim)

The subject-matter of this interference is substantially embraced in the 3rd claim of Edison.

[PHOTOCOPY. ORIGINAL IS IN INVOICE BOOK, CAT. 1161]

T. A. Edison Esq

New York, April 1. 1878

SPECIFICATIONS, MECHANICAL DRAWINGS, CAVEATS, ASSIGNMENTS, RE-ISSUES, REJECTED APPLICATIONS, EXTENSIONS, INTERFERENCES, &C. — ACCURATELY PREPARED and PROMPTLY ATTENDED TO.

192

To **LEMUEL W. SERRELL,**

SOLICITOR OF AMERICAN & FOREIGN PATENTS,

76 CHAMBERS STREET.

1878

Mar	1	To Bal of bill as rendered	421 10	
		By Bal for chgs in last bill Case 149. for by T. A. E.	20	401 10
		To time, interference vs. Smith		11
	21	" Copy Case 153.		2
		" Bal of fee Case 127.		20
	16	" time inter case 137. addressing Machine		3
		" Papers for Spain, Drawgs & tracings & Specification		25
		" Spanish Pat Consul fee - Power of Attorney		5
		" time Prem statement Case 128		6
		" Copies Claims, Designs Cases No. 121. 128. 153.		11
		" " " " " " 128 (extra 2nd copy)		3
		" Drawings Caveat No 77. copies		3 50
	23	" time interference Sawyer Autographic &c		3
		" " Case 137. Autographic Printing		3
		" Copy of Patent No 171780		50
				$497 10

L W Serrell
Apr 14 1878

Office for Patents.

119 & 121 NASSAU STREET,

New York April 4th 1878

Dear Sir:

It affords me pleasure to inform you that on April 2-78-1878 your applications for a Patent on Acoustic Telephone Telegraphs Nos 7-136-144-150-152 was duly allowed.

The Patents will be engrossed for issue on the receipt of TWENTY DOLLARS, and the balance of the fee payable thereon, if received within six months.

Yours Truly,

LEMUEL W. SERRELL.

To Thomas A. Edison Esq

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689.)

New York, April. 6th 1878.

Thos. A. Edison Esq.
Dear Sir:

I have to advise you that the third annuity on your French Patent No. 112,719. May 6th 1876. Autographic Printing, is due May 6. 1878.

Also the third annuity on your Belgian Patent No. 39,502. May. 8. 1876. Autographic Printing, is due May. 8. 1878.

The amount of these annuities is French $25. specie, Belgian $15. specie, including expenses, and the funds should be sent from here by April 18th 1878, in order to be in time.

Please let me know your wishes in the matter.

Yours truly
Lemuel W. Serrell
per Chas. Carey

Write and say I will forward funds for the French & Belgian before annuities are due

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689.)

New York, April 9th 1878.

Thos. A. Edison Esq.
Dear Sir:

It affords me pleasure to inform you that on April 6th 1878, your application for a Patent on Speaking Telegraphs (case No. 143) was duly allowed.

I have also the pleasure of notifying you of the granting of your German Patent on Autographic Printing Press, under date of November 22nd 1877.

Yours truly
Lemuel W. Serrell
per Pinckney

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689)

New York, April 10th 1878.

Thos. A. Edison Esq.
Dear Sir;

If you are in New York today, and it is convenient, please call and examine your English provisional specification.

Yours truly
Lemuel W. Serrell
per McKay

$300.—

New York April 12 1878.

Received of Thomas A. Edison Esq.
Three Hundred Dollars on account
of bills rendered for Patent Business

Lemuel W. Serrell
W. Serrell

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,

(P. O. Box 4689.) New York, April 24 1878

Thomas A. Edison Esq.
Dear Sir

Which Patent Office Gazettes have not been received by you?

The appropriation for printing having expired, it may be some weeks before we will receive any Gazettes or Patents.

Yours truly
Lemuel W. Serrell
L. Serrell

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,

(P. O. Box 4689.) New York, April 26. 1878.

T. A. Edison Esq
My Dear Sir:

I send preliminary statement on case 49:

Mr Pope sends word about the publication named at the end. If you have not seen it, it will be well to do so at Mr Prescott's office and let me have your ideas of the bearing it has upon this matter:

The preliminary statement is due 29th so you had better send it direct to Patent Office if you are not in town to-morrow.

Yours truly
Lemuel W. Serrell

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.)

New York, April 29th 1878.

Thos. A. Edison Esq.

Dear Sir:

The present is to call your attention to the fact that several of your preliminary statements are due before May 6th. Please furnish me with the necessary particulars, at your early convenience as the time is getting short.

Yours truly

Lemuel W. Serrell

per Pinchney

for Quadruplex

L W Serrell
May 1. 1878

Office for Patents.

119 & 121 NASSAU STREET,

76 Columbia St.

New York, May 1 1878

Dear Sir:

It affords me pleasure to inform you that on Apl 30 1878 your application for a Patent on Speak Telegraphs (Case 138) was duly allowed.

The Patent will be engrossed for issue on the receipt of TWENTY DOLLARS, the balance of the fee payable thereon, if received within six months.

Yours Truly,

LEMUEL W. SERRELL.

To Thos A. Edison Esq.

Sir: Telephone

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 3689.)

New York, May 2nd 1878.

Thos. A. Edison Esq.

Dear Sir:

In the matter of the interference with W. C. Sawyer (Case 128) the time for taking your testimony expires May 13th. Mr Sawyer's time expired Apl. 22nd and he has taken no testimony.

I will give notice for taking testimony on your replay on Wednesday next (May 8th) as the matter should be finished up next week.

Please send me the names of your witnesses as soon as possible, and oblige

Yours truly
Lemuel W. Serrell
per Jm Chiney

Lemuel W. Serrell's

OFFICES FOR PROCURING

American & Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689)

New York, May 2 1878

Thos A. Edison Esq

Dear Sir

Your note of yesterday is to hand. The specification and drawings for the foreign patents on the Phonograph, are complete and ready for your examination. Please call tomorrow and look them over so that if any changes are required they can be made before the drawings are photo-lithographed. I shall be at the office from 2 to 4.30 P.M. tomorrow.

Yours truly
Lemuel W. Serrell
Jr. W. Smith

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.)

New York, May 7th 1878.

Thos. A. Edison Esq.

Dear Sir:

I am in receipt of your French Patent on Telephones. Do you wish me to keep it at my office, or forward it to Mr Pinkus?

Yours truly

Lemuel W. Serrell

L W Serrell Buckley

Send to me

T A Edison

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689)

New York, May 7 1878

Thomas A. Edison Esq.
Dear Sir

Enclosed I send your preliminary statement returned to me by the office.

They require in the portion marked "why" that you give the specific date, or a date that you can substantiate by evidence.

The last clause they say to warrant official action must be brought up by motion to dissolve or for amendment to issue as we were aware.

The office have given up to May 25 '78 to file this statement corrected.

Yours truly
Lemuel W. Serrell
Serrell

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.)

New York, May 7th 1878.

Thos. A. Edison Esq.

Dear Sir.

Yours of 4th inst. rec'd.

I send copy of Statement in the Sawyer case as desired by you

Yours truly

Lemuel W. Serrell

Pinchoney

[ENCLOSURE]

13

Before Hon. Commissioner of Patents
In the matter of the Interference
Thomas A. Edison
vs. } Impt. in
W. E. Sawyer } Telegraphs

Preliminary Statement of Thomas A. Edison

State of New Jersey }
County of Middlesex } ss.

Thomas A. Edison, being duly sworn deposes and says that the electric presser foot was first used by him in Indianapolis in 1864, upon an apparatus which repeated signals from one circuit into another from the indentations of a Morse strip.

That a complete set of such apparatus was put in operation on the Western Union Telegraph Co's wires by deponent at Boston in 1868-9 and described in the Journal of the Telegraph, about that time.

That in the latter part of 1869 and first part of 1870, deponent used the same device on an Autographic Telegraph, wherein the characters were indented by writing with a stylus upon paper laid on blotting pad. The device worked successfully, and deponent believes

[ENCLOSURE]

that he has drawings of the same which he is now searching for.

That in the year 1872, deponent used the same device in an Automatic Telegraph, and had it in practical operation in 1873 in my shop at Newark; the apparatus was seen in operation by J. T. Murray, Charles Dean, Charles Batchelor, and others in the fall of 1876.

Deponent again used the device in experimenting upon the present application, and he is now engaged in searching for the drawings and memorandums made at that time.

The electro pressure foot herein before referred to as made in 1864, had a rest upon the paper, or point operated by the undulations of the paper surface and a circuit closer and electric circuit to a distant receiving instrument.

Thos A. Edison

Sworn to

Copy

New York May 17

T. A. Edison

Will you have
preliminary statements on duplex inter-
ference ready to submit. They are the
[illegible]

Saml.

A. G.

Menlo Pk May 17, 78

L W Serrell
76 Chambers St NY

get the Telephone interference postponed
Impossible to get them ready

T A Edison

Left typ[illegible]

Telegramme

L W Serrell 76 Chambers St NY

Have telegraphed Commissioner ~~pos~~ extend
time ~~this~~ Michalon interference,
~~had you not better do~~ should you
not do the same

T A Edison

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4089.)

New York, May 18th 1878

T. A. Edison Esq

Dear Sir

There are some other forms for you to sign on the Foreign Patents, Please come in on Monday, and the whole of the papers can then go by the next mail —

The testimony on your part on the Hawkins interference should be taken next week please let me know names of witnesses and set time thursday or Friday, whichever suits best.

Yours truly

Lemuel W. Serrell

T. A. Edison Esq

NEW YORK, May 18 1878

192.

To LEMUEL W. SERRELL,

Solicitor of American & Foreign Patents.

76 CHAMBERS STREET.

1878				
Mar 1	To Balance of bill as rendered	421	10	
	less by final fee Case 149, charged in last bill & paid by T. A. E.	20	00	401 10
	" Time on interference v Smith			11 00
2	" Copy Case 155.			2 00
	" Balance of fee Case 127			20 00
16	" Time interference case 137 addressing Machine			3 00
	" " Prem Statement Case 128			6 00
	" Copies Claims Drawings in Cases Nos. 121, 128, 153			11 00
	" " Drawings Caveat No 77			3 50
23	" Time interference Sawyer Telegraph			3 00
	" " case 137. Autographic Printing			3 00
	" Copy of Patent No 171780			50
	" Additional Copy 128 and drawings			3
April 13	" French annuities 5th 12719 Auto Printing			25
May 4	" Time on Autographic Pen			3
	" Prem: Statement case 137.			5
11	" Time agree with Chevrier & others			16
18	" " " "			3
	" Blue Books from England			3 50
	" Time inter Sawyer & notice to close			38
				$560 60
	Cr			
Apl 13	By Cash			300
				$260 60
May 25	To Notary's charges inter Sawyer			8 75
	" Caveat on Smpt in Phonograph No 80			15 00
	" Canada Patent on Do note 5 yrs fee			65 00
	" English Patent on Smp in Telephones Complete and 3 yrs fees.			240 00
	" Caveat fee on Imp in Phonograph No 80			10 00
				$599 35

from N.Y.

To T A Edison

will you take testimony this week. Hastings interference. who are witnesses

to Collect

L W Serrell

Recd by G E Comm
May 22. 2. PM

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4589.) New York, May 27th 1878.

Thos. A. Edison Esq.
Dear Sir:
Please call in tomorrow and sign the papers for Victoria, Canada & Caveat.

Yours truly
L. W. Serrell
per Pinckney

"Copy"

Dated May 29. 1878.

Filed June 3. 1878

Thomas A. Edison
Impr. in
Speaking Phonograph

Caveat No. 80.

D 1878 Phon.

To all whom it may concern:
Be it known, that I Thomas Alva Edison of Menlo Park in the State of New Jersey, United States of America Electrician, have invented, certain new and useful Improvements in Means for Recording Sounds and in Reproducing such Sounds from such Record, and I do hereby declare that the following is a full clear, and exact description of the same.

This invention consists in means for recording in permanent characters the sounds made by the human voice in speaking and singing, those made by musical instruments, birds, animals, or any sound whatever, and in means for reproducing those sounds at any desired time.
The sound vibrations act upon a diaphragm, or other body capable of motion; this diaphragm is at the back of a chamber provided with an opening or mouth-piece, and to

this diaphragm an indenting point is secured.
This instrument I term a "Phonograph".
The phonograph is adjusted to position with its indenting point contiguous to a moving surface covered with a thin sheet of metal foil or other suitable material, or else the surface with the metal foil is stationary and the phonograph movable. The surface upon which the metal foil is secured is by preference grooved spirally and the indenting point indents the foil in the line of this groove as the diaphragm is moved back and forth by the sound vibrations; these indentations are a record of the sound waves and form the characters for reproducing the sounds.
This indented sheet I term a "Phonogram".-
The instrument or portion of the instrument that reproduces the sound from the phonogram I term a "Phonet"
It is similar in construction to the phonograph, being provided with a diaphragm and point, but the mouthpiece is by preference funnel shaped, to render the sound loud and distinct.-
The sounds are reproduced by the phonet being adjusted to place so that the point of its diaphragm is at the beginning of the spiral line of indentations and as the surface containing the indented foil is moved, the diaphragm of the phonet is vibrated by the point passing from one indentation to the next, hence the diaphragm receives the same movement from the indentations as when making

those indentations, consequently the sounds made by the phonet will be the same as those that operated upon the diaphragm of the phonograph.

In the drawing Fig. 1 is a section of the phonograph and sectional elevation of the mechanism for presenting the surface to be indented, and Fig. 2 is a plan of the same.

The phonograph is made of the body portion a. diaphragm b. and indenting point c. The body portion a has a central opening forming the mouth-piece into which the person speaks or through which opening the sound vibrations pass to act upon the diaphragm and the diaphragm is secured at its edges to the body a leaving a space between the body and diaphragm in order that the diaphragm may vibrate freely. The indenting point should be a diamond or other very hard substance. The diaphragm is made of a thin sheet of iron or other material and it is preferable to place the indenting point upon a delicate spring arm b^2 and to employ a short piece of rubber tubing b^3 between the spring and diaphragm; this rubber acts as a damper to prevent false vibrations of the diaphragm. The phonograph is upon a lever arm 4. pivoted at 5. to the vertical stud 6. so that the phonograph may be raised or lowered vertically or moved horizontally for a purpose hereafter explained.

It is now to be understood that if a person speaks with his mouth near the mouth-piece of the phonograph, the sound vibrations will act upon the diaphragm and vibrate it and communicate to the indenting point a similar movement, and that if a piece of metal foil or other material susceptible of being indented is placed beneath or behind the indenting point and caused to move regularly, or the indenting point moved over the material, that said material will be indented and form a perfect record of the sound vibrations I will now describe the means for sustaining the sheet to be indented and the mechanism for moving the same

d, is a disk or plate secured to and turning with the shaft e, and hinged to this disk is a ring-frame f; this disk d, has two spiral grooves 3. 4. in its surface

There are pins 2. 2. upon the surface of the disk and holes at corresponding places in the ring-frame; the sheet to be indented is of a size and shape to correspond with that of the disk d. and frame f. and said sheet has holes in it corresponding to the position of the pins 2. 2. and these holes form register marks in placing or replacing the sheet upon the disk d. and after the sheet is so placed, the ring-frame f. is brought down upon the sheet and holds it firmly in place. There may be a central opening in the indented sheet of a size slightly larger than the

space occupied by the spiral 3. and the outer edges of the sheet are stiffened by a ring of thick paper or paste-board caused to adhere by glue or other adhesive material.
The surface of the disk d is made with two spiral grooves 3 and 4 as aforesaid; the groove 3 is a guide for a pin that is upon an arm g on the phonograph and the groove 4 is for the indenting point c.
As the disk and sheet are revolved, the groove 3 causes the indenting point to occupy a position immediately over the line of the spiral 4 and the indentations will be made upon the sheet of foil in a line corresponding to that of the spiral 4 shown in fig. 2.
The indentations made in the foil are a complete record of the sound vibrations that acted upon the diaphragm b and from this indented sheet which I term a "phonogram", the sounds are reproduced.
The phonograph is carried outwardly by the spiral 3 and in so doing the parts swing upon the vertical stud
6 By depressing the outer end of the lever i the phonograph is raised so that it can be swung aside from the disk d to allow of the ring-frame f being thrown back and the indented sheet or "phonogram" removed from the disk.
The shaft e is revolved by a weight or spring and gearing at h and the spring is wound up by moving the lever k back and forth which acts upon a ratchet

and pawl of ordinary construction. l. is a lever provided at its outer end with an inclined groove in which is a pin on the lever m. and the other end of this lever m. is connected with the coupler m' by moving the lever l. one way or the other, the shaft e will be connected to or disconnected from the gearing h. and hence the disk d stopped or started at pleasure without interfering with the motor.

As it is necessary that the shaft e should be revolved with uniformity, I provide a governor at n. to prevent the apparatus revolving too rapidly and this may be made, as in figs 1. 3 & 4. in which there are metal blocks o at the ends of spring arms from a cross-head on a shaft that is driven by the gearing h. said blocks swinging radially, and acting against the interior of a stationary cylinder p. if the speed becomes too great, thereby checking the speed by the friction of the blocks against the cylinder. These spring arms may be secured at one end to a prismatic block as shown in fig. 5. It is preferable to cover the surface of the blocks o. next the cylinder p. with felt or similar material that will slide upon the interior surface of the cylinder p. but produce more or less friction according to the centrifugal action.

The guide spiral 3 may be dispensed with and either

of the devices shown in figs 6. 7. 8. or 9. made use of
In figs. 6 and 7. the shaft e. projects above the surface of the disk d. and there is a tooth upon the shaft contiguous to a rack-bar extending from the phonograph, hence, each revolution of the shaft the rack-bar and phonograph will be moved the space of one tooth, consequently the lines of indentations will be parallel and concentric to the shaft e. excepting at the places when the tooth acts to move the rack-bar and phonograph outward or inward – In this case the spiral grooves are cut to correspond to the feed.
In fig. 8. a worm upon the shaft e. acts upon a worm pinion to revolve the shaft e^s and the worm at the other end of this shaft e^s acts upon teeth around the base of the lever i. on the stud 6. by this device the phonograph will be moved outward gradually and the line of indentations will be in a spiral corresponding to the continuous spiral groove in the plate d.
In fig. 9. the shaft e. is made with a fusee at p! and one end of a swinging arm connected to the phonograph takes against the same; the spirals of the fusee gradually move outward the phonograph as the disk and shaft are revolved and the line of indentations will be spirally, the same as that made by the spiral 3.

In fig 10. the shaft e. is provided with a screw pinion meshing with teeth upon a cam-wheel 7. this gives the same movement to the phonograph as the spiral groove 3.

In fig. 11. the guide groove 3. for the arm and pin f is upon a disk d'. upon the shaft e but the groove 3. occupies the same relative position upon the disk d'. as the groove 4. upon the disk d. so that the phonograph is moved outwardly by the groove of the disk d'. swinging both the arms f. and r. upon the vertical pivot 6.

Instead of the sheet of metal foil being upon the disk d. it may be wrapped upon a cylinder g. as in fig. 12. In this case the cylinder is upon a shaft e'. revolved by the gearing at h'. and upon said shaft there is a right, and left hand screw at k'. and there is a corresponding double spiral groove in the surface of the cylinder g.

The phonograph is secured to a sliding shaft l'. and said shaft is moved endwise back and forth by the screw k'. acting upon an arm m² that is secured to the said shaft l'. As the phonograph is moved in one direction, the line of indentations is made spirally in the foil, on the cylinder g. and when the arm m² reaches the end of the screw it will be moved in the other direction by the reverse screw thread and the

phonograph will make a second spiral line of indentations that will cross the first spiral line. This feature is especially available for a phonet where the surface of the cylinder g is formed of an electrotype or other copy of the phonogram, so that the words or sounds may be reproduced automatically and at intervals if desired.

It is preferable to make use of a thin metal plate n^2 see figs. 13. and 14 pivoted at one end and fitting within a longitudinal groove in the surface of the cylinder g for securing the edges of the metal foil and holding it securely upon said cylinder. The top of the plate n^2 is flush with the surface of the cylinder and grooved to correspond with the grooves in the cylinder so as not to interfere with the indenting point. A wire may replace this device such wire being secured by arms at each end of the cylinder and raised and lowered in and out of the groove by a cam or otherwise. I find that an interruption of one eighth of an inch space where there is no recording is not detected by the ear.

The apparatus shown in figs. 13 and 14 is similar to that shown in fig 12 except that the phonograph is stationary and the cylinder moves horizontally and the shaft e is only provided with a screw thread in one direction, hence the cylinder will have to be moved back

by hand to bring it to place if desired to reproduce the sounds from the phonogram, or to position the phonograph if a new sheet of foil is to be indented after the first one has been removed. This is readily accomplished by raising the arm o', and its tooth from the screw k', which leaves the shaft e' and cylinder p.p. to be moved back and forth.

In fig. 15. the phonograph is fitted to move horizontally instead of the cylinder q. as in fig 14. but the shaft e' is provided with a screw thread in one direction only, hence the phonograph has to be positioned by hand after the arm o' has been raised from the screw k'.

In figs. 12. and 15. the phonograph can swing upon the shaft f' to raise the indenting point from the cylinder q. and allow for the removal, or insertion of a sheet of foil, and there is a stop at s. for adjusting the position of the phonograph when brought down to indent the foil.

In figs. 13. and 14. the phonograph is upon an arm pivoted at q. so that it can be swung horizontally away from the cylinder q. for the purpose aforesaid and the adjustable stop s. is also provided.

Thus far I have described the "phonograph" or instrument upon which the sound vibrations act, and which instrument acts to indent the sheet of foil and produce the "phonogram" or record of such sound vibrations; mechanism has also been described for presenting the sheet of foil to be indented by the phonograph.

I will now describe how the sounds are reproduced from the phonogram.

If it is desired to reproduce the sounds from the phonogram in the same instrument in which the phonogram was produced, it is only necessary that the indenting point e be made to traverse the line of indentations in the phonogram and that a funnel shaped mouth piece, shown by dotted lines in fig. 1 be added to the phonograph, to aid in increasing the loudness and distinctness of the sound. The instrument in this form I term a "Phonet".

In the instrument shown in figs. 1. 2. 6. 7. 8. 9. 10. 11. 13. 14. and 15. the phonet requires to be positioned by hand as before explained in order that the point e may be placed at the beginning of the spiral line of indentations as the point e passes from one indentation to the next either by the foil being moved beneath said point as in figs. 1. 2. 6. 7. 8. 9. 10. 11. 13 and 14. or by the point moving over the foil as in figs. 12. and 15. the diaphragm D receives a movement corresponding to the depth of the indentations, and corresponding also with the same movement it received from the sound vibrations when making those indentations, hence air waves will be produced by the movement of the diaphragm that will make sounds by passing through the mouth-piece of the phonet that will be exactly the same as the

sounds that acted upon the diaphragm of the phonographs. The material upon which the record is made may be metal foil, such as tin, iron, copper, lead, zinc, cadmium, or a foil made of composition of metals; paper or other material may be used, the same being coated with paraffine or other hydro-carbons, waxes, gums, or laces, and the sheet so prepared may itself be indented, or the material, say paper, may be made to pass through a bath of hot paraffine and thence between scrapers; thin metal foil is now placed on the material, and the sheet passed through rollers which give it a beautiful smooth surface. The indentations can now be made in the foil and the paraffine or similar material, and the indenting point does not become clogged with the paraffine in consequence of the intervening foil. If the copper-foil or tin-foil with copper surface is used, and a matrix of iron or steel made by electro-type deposit or otherwise upon the phonogram, such matrix may be hardened and used for impressing a sheet or roller of metal as here after mentioned, thereby the original phonogram can be reproduced indefinitely in metal that may be hardened and used for any reasonable length of time to utter the sentence or words or sounds phonetically.

I will now briefly describe some modifications in the construction and operation of the Phonograph and Phonet.

In fig. 16. the indenting point c. is upon a spring arm c^2 as in figs. 1. and 2. but there are short sections of rubber

tube e^2 at each side of the diaphragm $\underline{b}$ to dampen the diaphragm and prevent false vibrations.

In fig. 17 the button of the diaphragm acts against the outer end of the arm $\underline{e^2}$ to increase the leverage and lessen the depth of indentations in the foil and allow of the record being made in less yielding material than tin-foil.

Fig. 18. shows a modification of the last mentioned device the pressure being applied to the arm $\underline{e^2}$ between the indenting point and the support for the arm so as to increase the depth of the indentations.

Fig. 19. shows the arm $\underline{e^2}$ made as a lever with a spring

Fig. 20. shows the indenting point upon the center of a spring bar that is firmly held at each end; the bar is connected at its center to the diaphragm $\underline{b}$ by a string or otherwise.

Fig. 21. represents the diaphragm $\underline{b}$ as of concave form instead of flat.

Fig. 22. shows the indenting point upon a spring connected to the diaphragm.

Fig. 23. shows a disk upon the spring $\underline{e^2}$ of the indenting point; this disk is placed quite close to the diaphragm and is moved by the air as the diaphragm is vibrated, the disk being so close to the diaphragm that the two will vibrate together, as air cannot space between or escape as rapidly as the vibrations take place.

Fig. 24. shows the diaphragm vibrated by electro-magnetism

In this case the diaphragm is to be of iron and the power of the electro-magnet will be varied by a rise and fall of electric current passing through the helix of the electro-magnet, this rise and fall of electric-tension is to be produced by the action of sound upon a diaphragm and connections in an electric circuit.

Fig. 25. shows the method of vibrating the indenting spring and point by the direct action of an electro-magnet without the use of a diaphragm, the electric tension in the helix being varied by sound vibrations upon a diaphragm.

Fig. 26. shows the spring arm e² connected to one end of a permanent magnet so as to highly magnetize the reproducing point; the foil should be of iron; when the point passes an indentation there will be less attraction than when passing no indentation: this will give good articulation free from the scraping noise of the point on the foil, for in this case it does not touch the foil but is worked by magnetic attraction.

Fig 27. represents two instruments in connection with the cylinder g; in this case the phonet and the phonograph are separate. The phonograph records in the usual manner but the phonet has its diaphragm set in motion by the rise and fall of the lever e². This reduces the scraping noise of the foil and acts by leverage and a slight tension to move the diaphragm as the phonogram is moved beneath the point c.

Fig. 28 shows an arrangement whereby four persons may speak simultaneously and have records made in separate parallel lines upon one cylinder and the phonogram will reproduce the sounds the same as though it contained the record of but one voice.

Fig. 29 shows a single phonograph adapted to receive the voices of three persons as in singing; the sounds made by the three voices are conveyed through flexible or other tubes to the diaphragm and will be recorded in a single line of indentations, but when reproduced by the phonog the sounds uttered will correspond to the three voices.

In fig. 30. the foil is mounted upon a hollow cylinder with a funnel shaped end. The record is made upon the foil in the usual manner by the phonograph excepting that holes are made entirely through the foil. A nozzle with a small opening is placed so that it will always be opposite the line of perforations as the cylinder is revolved. This nozzle is connected to a source of compressed air or other fluid, and every time a perforation comes opposite the nozzle, a puff of air passes into the cylinder and a sound is produced upon the principle of the siren. The nozzle may be placed on a spring to keep the end of the nozzle in contact with the line of perforations.

Fig. 31. shows the phonograph as made with a large chamber between the diaphragm and the mouth-piece this is especially useful in collecting sound when the person speaking or the sound to be recorded is made several feet from the instrument —

Fig. 32. shows a device whereby the indenting point may be dispensed with in the phonograph.

The funnel forming the phonograph is made with a diaphragm at the larger end or mouth piece, and a very small hole at the pointed end adjacent to the foil on the cylinder of this foil should be very thin so that the indentations will be made by the direct action of the air waves as concentrated by the funnel without the interposition of the indenting point. —

Fig. 33. shows a phonet in which the phonogram or sound record has been made upon an endless belt: this is a convenient arrangement for toys as the same may be made to imitate the bark of a dog or other noise made by an animal, and this belt may be of steel or other hard material that allows the same to be used for a long period of time.

Fig. 34 is a perspective view showing a double phonet there being a spiral line of indentations on each side of the revolving disk d. one phonet coming into action as the other finishes: in this case the spirals should be in opposite directions so that the disk continuing

to revolve in the same direction, moves one phonet from the center outwards and then the other phonet is connected and moved back towards the center: this may be used as a toy.

Fig. 35. represents a phonet in which the phonogram containing a sentence, speech, words, or other sound record is upon a belt or strip wound upon a reel; this belt is drawn along gradually and wound upon the second roller by any suitable mechanism, and as the phonogram is thus moved it actuates the phonet c.b.

Fig. 36. shows a phonograph or phonet similar to that shown in fig. 12. the cylinder g. is revolved but remains in one position and the phonograph or phonet is movable back and forth over the cylinder. In this instance the arm m^2 is extended beyond the screw h' and passes beneath the inclined spring guide m^5 when the screw is carrying the arm and phonograph towards the right. as the arm m^2 passes from beneath the end of the guide m^5 it is no longer held to the screw and the arm m^2 and phonet are lifted by the guide m^2 as the spring m^6 draws the shaft, phonograph and arm along to the place of beginning, at which place the arm m^2 drops off the end of the inclined guide m^5 into the thread of the screw and as this revolves it carries the arm along

beneath the guide m^5 as before.

Fig. 37. represents the phonograph or phonet upon a pivoted arm so that it may swing across or at right angles to the line of movement of the indented material or phonogram. In this case the line of indentations may be lengthwise of the belt or across the same in the arc of a circle

Fig. 38. shows a phonograph similar to that of sure in fig. 37. except that the sound chamber is of a different shape.

Fig. 39. shows a mouth-piece with an orifice of soft rubber to fit the mouth or the lips of the person speaking so that all sound waves will be confined to the chamber and diaphragm.

Fig. 40. shows the mouth-piece of the phonograph made with cross slots with irregular edges.

Fig. 41. shows the mouth-piece as perforated with numerous holes.

Fig. 42. shows but one opening in the mouth-piece; the edges of this are irregular. These irregular edges reinforce the hissing sounds and cause a more perfect phonogram to be produced.

Fig. 43. represents a mouth piece of mica with a central opening protected at its edges by a wooden ring.

In fig. 44. the diaphragm b. is of wire gauge with a backing of paper connected to it by any suitable cement and there is a ring of stiff paper at the edges of the gauge rick to strengthen it.

Fig. 45. represents a diaphragm B. of parchment or similar material stretched tightly within the frame b^6. by cords and screws – The cords may be of different lengths and tension and respond to and reinforce certain sounds.
Fig. 46. shows a mouth-piece for the phonet made in imitation of the human mouth.
Fig. 47. represents the body portion of the phonograph or phonet made triangular, and the diaphragm is of corresponding shape.
Fig. 48. represents three cylinders each provided with a phonograph or phonet; this is useful in recording and reproducing three part singing, or music.
Fig. 49. represents a phonet made as a tube with flaring or trumpet shaped ends and with two diaphragms 15. 16. placed cross-wise of the tube so as to form an air chamber – There is a third diaphragm B. which is vibrated by the movement of the reproducing point C. and said diaphragm gives motion to the air in the chamber and vibrates the diaphragms 15. 16. which latter produce air waves and the sounds issuing from the two trumpet shaped ends will blend and increase the volume of sound.
Fig. 50. represents a device whereby deep indentations are made in the metal foil – Two diaphragms are employed; the first B^2 is vibrated by the sound vibrations and controls a valve B^7 in a tube connected

with a source of compressed air or other fluid; this valve b^7 allows more or less air to pass to the diaphragm b according to the vibration of the diaphragm b^2. Hence the diaphragm b will vibrate in harmony with the diaphragm b^2 but it will be acted upon by greater force and consequently the indentations will be deeper in the foil than if the diaphragm b was acted upon simply by the sound vibrations of the voice.

Figs. 51. and 52. represent a device that may be used with a phonet to increase the loudness of the sounds reproduced. The sound vibrations from the phonet are conducted by a tube shown by dotted lines in fig. 51. to the diaphragm b^3 that controls a valve b^7 in a tube connected with a reservoir of air or other fluid under pressure, and the air as it escapes by the valve passes into the trumpet shaped end of the tube and produces sounds that are very loud and clear, and are a reproduction of the sounds resulting from the use of one of the phonets before described.

This same apparatus may be used to reproduce with louder utterances a person's voice, the sound from the voice being used to vibrate the diaphragm b^3 and thereby regulate the air waves escaping from the valve b^7 into the trumpet.

Fig. 53. shows the speaker's head within a box or

case, in this instance nearly all the sound vibrations act upon the diaphragm.

Figs. 54 and 55 illustrate how the movements of the lips in speaking may be recorded and reproduced. In this instance a lever applied to the diaphragm carries the indenting point c. fig. 55. and the end of this lever is placed in the mouth of the speaker and the movement of the lips regulates the indentations in the foil. A similar apparatus shown in fig. 54 within a case is, connected to the movable lips of a mask so that these lips open and close as in articulation at the same time that the sound vibrations are given by the phonogram to the phonet.

Fig. 56 represents a toy phonet in which the phonogram strip 35 is secured at one end to a cylinder upon which it is wound. By pulling upon the strip it is unwound and a rubber cord 37 is wound upon the shaft of the cylinder. When the hand is removed from the indented strip the rubber cord rotates the shaft and winds up the phonogram upon the cylinder and the sounds are reproduced in the phonet by the phonogram acting upon a point and diaphragm a. The movement of the shaft is regulated by the fan, worm and pinion 38.

In fig 57 the cylinder for moving the phonogram-strip is shown as provided with pins that enter holes in the

edges of the strip; this causes the strip to be fed along very regular.

In fig. 58. the cylinder with pins is shown as made with heads to act as guides for the strip.

Fig. 59. shows a re-indenting device for amplifying or increasing the size of the indentations –

There are two rollers one of which a^4 travels faster than the other a^3 and there is a lever 40. pivoted at 41. and provided with a point c. for each cylinder. One point follows the indentations in the cylinder a^3 and the other rests upon a^4 and as this travels the fastest, the indentations made therein will be longer and also deeper by the point being at the outer end of the lever.

In fig. 60. one roller 42 of the pair is made of hardened metal with the sound record in relief. This is obtained by electrotype or other process from an iron foil or other metal phonogram, and this roller is used to indent strips or sheets of foil or rollers to produce copies that can be used with the phonet.

Fig. 61. represents a roller 42 of hardened metal with the record in relief and arranged so as to knurl or indent the phonogram in a roller 43 of soft metal that is to be pressed against the roller 42. by a screw or other suitable means.

The cylinder having a spiral groove in its surface may be made by placing the mould shown in fig 6d. around a cylinder or shaft and filling the space between the cylinder and mold with plaster of Paris or other suitable material - The mold is of metal with a screw or spiral rib projecting therefrom and it is made in two parts and hinged so that it can easily be removed when the plaster of paris is dry.

For amusement or instruction the phonograph is capable of extended use.

For instance, a revolving cylinder, see fig. 6E. containing rows of indentations representing the letters of the alphabet and provided with keys containing corresponding letters, can be used in teaching the alphabet, and sentences, speeches, and other matter can be spoken by the phonet and repeated by the learner without the expright being called into use.

Clocks may be provided with phonogram cylinders or wheels to call off the hours, to give alarms &c.

The phonogram may be upon a strip, sheet, belt, or roller, and it can be of a dog's bark a rooster's crow, a bird's song a horse's neigh, and these can be used in toy animals with a simple phonet for reproducing the sound.

In copying phonograms or making duplicates, an original phonogram may receive a deposit of copper,

or iron in a plating bath, and if of iron may be carbonized to convert it into steel, and hardened and then the same should be backed up with tempe metal and used for impressing strips or pieces of metal. A bed of gutta percha or similar material may be used to sustain the sheet metal while being pressed; numerous copies of the original phonogram can thus be reproduced. A plaster cast can be used for producing a copy by pressure. The governor to regulate the speed of the instrument may be made of a pendulum weight 61 fig. 62 hung at the lower end of a rod that is provided with a universal joint at 62. and the upper end of the rod is moved around by a crank 63. that is revolved by the train of gearing. As the speed increases the weight will describe a circle of larger diameter and thereby increase the resistance.
The universal joint may be displaced by a spring wire fig. 65. that allows of the movement.
A magnet 64 upon the crank-arm 63. fig. 66. may be used to revolve the pendulum by attracting an armature at the upper end of the pendulum rod and thereby avoid the friction resulting from the contact of the surfaces of the pendulum rod with the crank.

In fig 67. the diaphragm b is represented as connected to a pair of delicate piston valves within a tube 68 that has three ports, one 69 is connected to a reservoir of compressed air; the other 70 and 71. are connected to a chamber 72. at opposite sides of a diaphragm so as to vibrate the same in harmony with the diaphragm b. but there will be greater amplitude given to the same by the pressure of the air and by a connection to the phonet diaphragm b. the sound produced will be greatly increased. &c

Shall probably

I claim as my Invention,

~~First. A phonograph apparatus consisting in combination with a diaphragm or body vibrated by sound, of a point and a surface upon which sound is made by indentations to produce a phonogram, substantially as specified.~~

~~Second. The combination with a phonogram of a phonet to reproduce the original sound, substantially as set forth.~~

~~Third. The method of reproducing speech and other sounds consisting in recording the same by the atmospheric vibrations and reproducing corresponding vibrations by the record or phonogram giving motion to a diaphragm or similar movable body &c.~~

1 The combination with the diaphragm and point of a flat receiving surface and means for revolving the receiving surface and causing the point to follow a volute or spiral line, substantially as represented in figs. 1. 3. 6. 7. 8. 9. 10. and 34.

2 The combination with the phonograph or phonet of a propelling weight, or spring and a governor to regulate the speed and ensure uniformity of movement substantially as set forth.

3 A revolving disk provided with a clamping frame to secure the foil or other material in combination with the pivoting arm, diaphragm and point substantially as specified.

4 The combination with a revolving grooved cylinder of a diaphragm and point and a screw or other mechanism for causing the point to correspond in position with the groove so as to indent the foil or other material wrapped around the cylinder substantially as set forth and shown in figs. 12. 13. 14. 15. 16. 17. & 18.

5 In a phonograph or phonet, a spring introduced between the diaphragm and the point substantially as set forth and shown in figs. 16 17. 18. 19. 22. and 26.

6 In a phonograph or phonet, a rubber spring or similar device to damper the vibration

of the diaphragm and prevent false vibrations as set forth and shown in figs. 16 and 21.

7 – The combination with the diaphragm in a phonograph or phonet apparatus, of a lever to modify the relative action of the diaphragm and point substantially as described and shown in figs. 17. 18. 25.

8 The combination with the diaphragm and point, of a permanent, or electro-magnet, substantially as described and represented in figs. 24. 25. 26.

9 The method of recording and reproducing two or more sounds or speeches simultaneously substantially as described and as illustrated by figs. 28. 29 and 48.

10 A phonet composed of a perforated sirene and a jet tube substantially as described and represented in fig. 30.

11 The mechanism for producing a phonogram, and employing the same in a phonet substantially as described and illustrated in figs. 32. 33. 35. 36 and 37.

12 The combination with the phonograph diaphragm and point, of a sound chamber substantially as described and illustrated in figs. 31. 38. 39. and 53.

13 The diaphragm and mouth-piece for a speaking phonograph substantially as described and as illustrated in figs. 41. 42. 43. 44. 45. and 46.

14 The combination with a diaphragm and its point of two diaphragms, for the purposes and substantially as shown in fig. 49.

15 In combination with a diaphragm and valve actuated by sound vibrations, a source of compressed fluid and a trumpet as in figs. 51. 52. and a phonograph, as in fig. 50. substantially as set forth.

16 The combination of two diaphragms with a valve and a source of compressed fluid as represented in fig. 67. for increasing the volume of the voice or other sound as set forth.

17 The combination with two or more phonograms, of phonet keys for selecting letters or utterances as described and illustrated in fig. 68.

18 The means for duplicating or reproducing phonograms from an original phonogram substantially as set forth.

19 The combination with the phonograph or phonet of the revolving crank and pendulum governor substantially as described and shown in figs. 64. 65. 66.

20 The combination with the phonograph of a lever moved by the lips and of a lever and phonet to move the lips of a mask, substantially as described and illustrated by figs 53 and 54.

21 The combination with a phonograph of a clock movement or toy and a phonet for reproducing sounds for clocks or toys substantially as set forth. &c

Fig. 1.

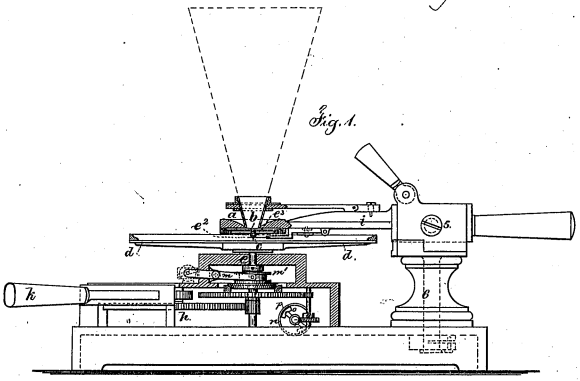
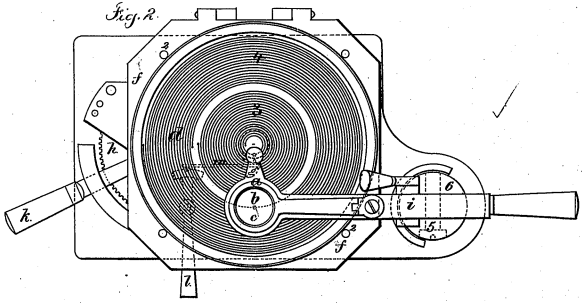


Fig. 2.



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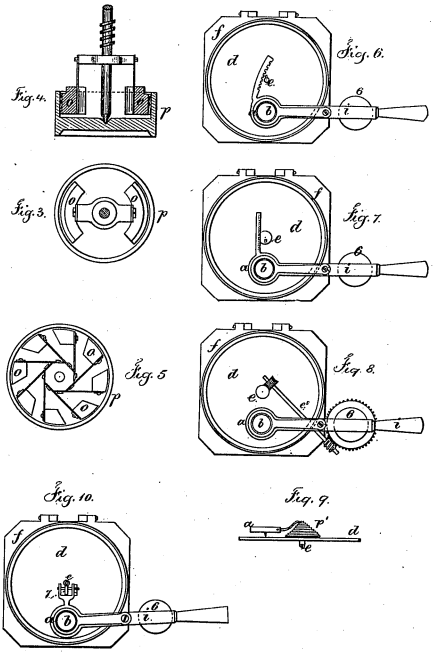
Fig. 4.
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Fig. 11.

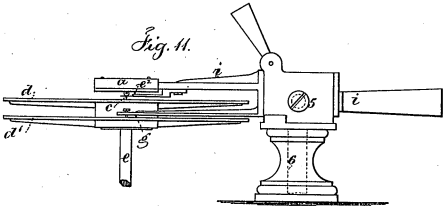

Fig. 12.

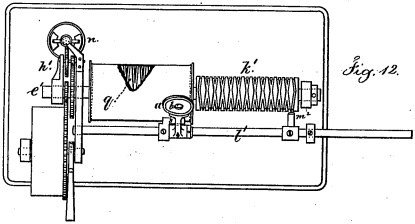

Fig. 13.

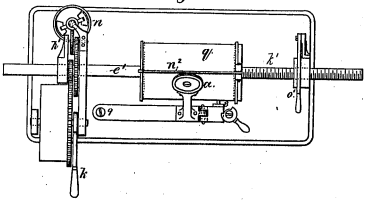

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Fig. 14.

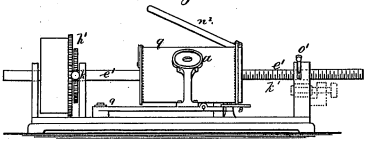


Fig. 15.

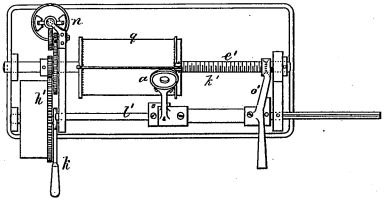


Fig. 16.

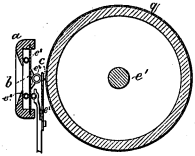


Fig. 17.

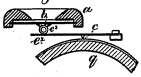


Fig. 18.

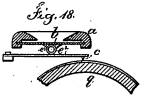


Fig. 20.

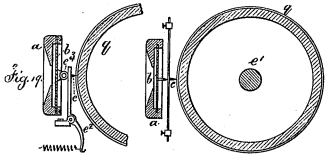


Fig. 23 Fig. 24

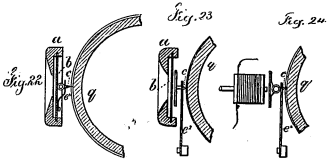
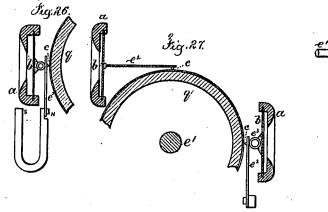


Fig. 26.



Caveat No. 80

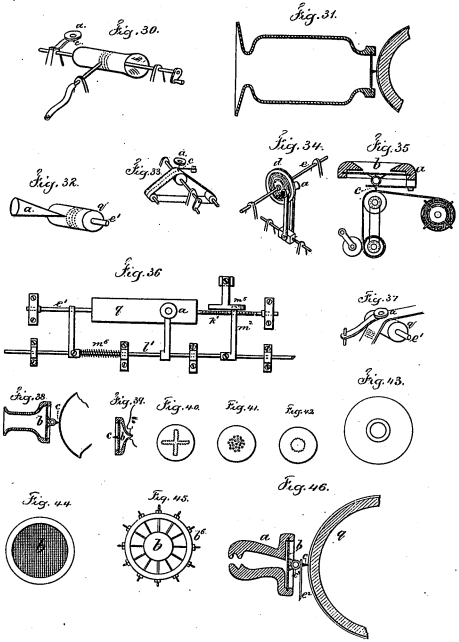


Fig. 30.
Fig. 31.
Fig. 32.
Fig. 33.
Fig. 34.
Fig. 35
Fig. 36
Fig. 37
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Fig. 39.
Fig. 40.
Fig. 41.
Fig. 42.
Fig. 43.
Fig. 44.
Fig. 45.
Fig. 46.

Fig. 48.

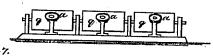


Fig. 49

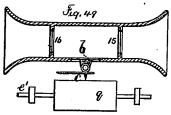


Fig. 47.

Fig. 50.

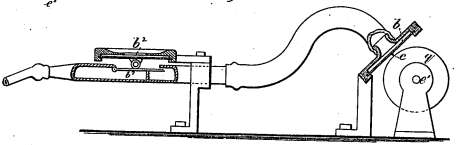


Fig. 51.

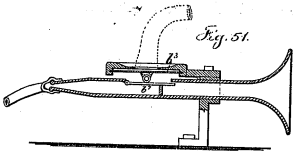


Fig. 53

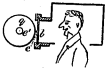


Fig. 54.

Fig. 52.

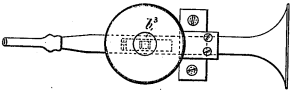


Fig. 55.

Fig. 56.

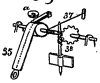


Fig. 57

Fig. 58.

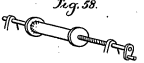


Fig. 59.

Fig. 60

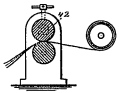


Fig. 61.

Fig. 62.

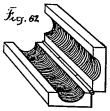


Fig. 63

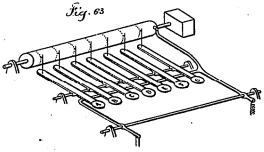


Fig. 64.

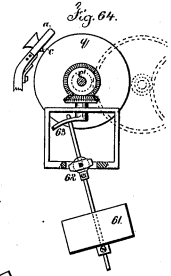


Fig. 67.

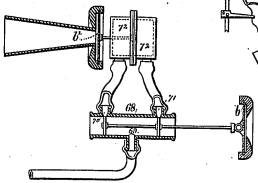


Fig. 65.

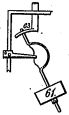
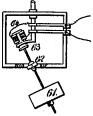


Fig. 66



Nov to Charge on Nov 4. 13

NEW YORK, 18

Memo of Charges for Foreign Patents

To LEWIS W. SERRELL,

Solicitor of American & Foreign Patents.

76 CHAMBERS STREET.

(March)

1877					
Sep	29	To German Electric Pen			120
		" Controlling by sound the transmission of Electric Currents, and the reproduction of corresponding sounds at a distance			
July	11	England			240 60
Dec	21	France 1 year			120
		Belgium 2 "			120
		Austria 1 "			150
		Germany 1 "			120
		Italy 2 "			150
		Russia complete			300
		Spain "			300
		Telegram to Brewer	7 50		
		Answer	7 50		
		" to Brewer refuse pay	7 50		
		" " Brandon to file	7 50		
		" " Brewer specie	11 25		41 25
		To Certificate of Addition to French Patent including phonograph			60
		" additions to Specifications in Belgium, Austria, Germany, Italy Russia and Spain, including extra sheet of drawing, translations &c			90
		" Time, agreements with Mess.rs Pus Was & Blied and two copies of same			10
		" Premium on specie 2½ %			31 92
		" Telegram to Brewer & Jensen			13 10
		" Canada			70
1878		Recording & reproducing sounds			
March		" England			245
		" France 1 yr			120
		" Belgium 2 "			115
		" Italy 1 "			150
		" Austria 1 "			150
		" Norway			195
		" Sweden			190
		" Denmark			190

	India		200
	N. S. Wales		220
	Victoria		220
	Germany	1 yr	120
1878	Canada	18 yrs	65
May	England	3 yrs Telephones & apparatus employed in Elec Circuit	240
	Germany	Electric pen	120

Bonelli Memorandum
These lists were made
prior to the Foreign
Refer

Lemuel W. Serrell's
OFFICE FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4630.) New York, June 12 1878.

T. A. Edison Esq

Dear Sir

In relation to Autographic Printer. allowed Dec. 24. the balance of fee has to be paid in before 22nd inst. Please let me know your wishes.

In the interference with De Lucato found two patents 171,780 with which you are in interference and the other 157,161 which is not in interference.

Please look these over carefully and let me know whether you think it best to go on with the interference. The earliest patent is before your invention, viz June "74 and it will be well to consider the propriety of amending to cover only the perforated paper instead of the porous paper.

De Lucato has written Mr Limbo who has furnished me the second patent named, and who will admit the same evidence that was taken in the former interference, provided the witnesses are produced for cross-examination if desired.

This course will save considerable trouble and expense.

Please let me hear from you as soon as you can so that I may carry out what has to be done before the time for closing your testimony —

Yours truly

Lemuel W. Serrell

N. W. Smith

T. A. EDISON,

Menlo Park, N. J., 187

NY 18

Mr E

Shall I see you today about Australian agreements

L W Ferrell

9 Collect

June 18 76

L W Ferrell 76 Chambers St NY

Mr A. L. Griffin my Secretary is a Notary and can attend to Australian papers. Please send by mail

I am quite sick

T A Edison

23 3 74

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689.)

New York, June 18th 1878.

Thomas A. Edison Esq.

My Dear Sir

I am sorry to hear of your being sick, there are several matters needing attention: The following is the condition of these items; If you need me to come down relative to any matter let me know, and I will do so; The following are the items. —

1st I gave Mr Laughlin & Hickling letters of introduction to Bruner & Jensen and letters will go to their care:

I want your instructions as to the arrangements with them: The sale is to be for $17,500. to you; the money to be paid in England before July 31. May the same amount be paid in Australia? If not paid in England shall Bruner send assets to a banker in Australia to be handed over on payment of the sum? Are you to have the sum named in one payment or is it to be divided up and apportioned to the different Australian countries? Do you want papers prepared for Tasmania, South Australia, New Zealand and Queensland, so that they will be ready for consummating purchase, when the proper party is found? —

2nd Testimony on Telephonic interference has to be taken before 28th inst. Who are the witnesses and when can they be produced? I wrote you 12th inst. and have not received any word as yet. —

3rd Shall you be able to get together the facts relative to Acoustic interferences in time for preliminary statements?

4th The foreign patents are going on all correctly, I have no word from Mr Purkas, have kept him advised, have you any word from him?

5th The caveat on Micro Tuning fork will be sent down down as soon as it is complete; probably to morrow. I have been very busy and expected the pleasure of seeing you, a this would have been ready for to day.

6th Mr Warren Hidden from Constantinople has been in and wants to see you, he thinks he has some quick improvement to communicate to you, shall I advise him to come down and see you, or do you desire rest for a while so as to recuperate? —

Yours truly

Lemuel W. Ferrell

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET.

(P. O. Box 4689.) New York, June 18 1878.

T. A. Edison Esq

My dear Sir

I have not the printed copy of the Telephone English patent, as yet, I send copy of the drawings: If you need the specification, a written copy can be made out.

Yours truly

Lemuel W. Serrell

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET.

(P. O. Box 4689.) New York June 20 1878

Thos. A. Edison Esq

Dear Sir

Yours of 18th inst to hand and contents noted.

Much obliged for the $100.

Balance for Autographic Printing will be sent forward.

I will attend to the Le Roux Caccato interference matter in the way you indicate

Yours truly

Lemuel W. Serrell

LWSerrell

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET.

(P. O. Box 4080.)

New York, June 21st 1878.

T. A. Edison Esq

My Dear Sir

I am having a written copy of the English Telephone patent made and it will be mailed as soon as ready.

I have arranged with counsel for De Zucco to put in certified copy of your evidence in the Bell interference, the Witnesses to be produced for cross examination at any time before August 1st this will render extension of time unnecessary, — and save expense.

Yours truly

Lemuel W. Serrell

Lemuel W. Serrell's
OFFICES FOR PROCURING
American and Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4680.)

New York, June 21st 1878

T. A. Edison Esq

My dear Sir

I send herewith the assignments of Victoria & New South Wales on Phonograph patents; these are to be signed and sent to Bruer & Jensen as I understand, and the same are not to be delivered until the money $17.500 is paid them:

Your agreements do not provide for the patents being sold out in Australia, or for separate prices for the separate countries, nor have you any other patents than the two named: What instructions are to be sent over covering these points

Yours truly
Lemuel W. Serrell

[ENCLOSURE]

Whereas I, Thomas Alva Edison, of Menlo Park in the State of New Jersey, United States of America, have applied for Letters Patent, in the Colony of New South Wales, for a certain invention of "Improvement in means for recording sounds, and in reproducing such sounds from such record," pursuant to documents executed by me May 20th 1878.

And, whereas

has purchased of me the entire right, title, and interest in, and to the Letters Patent that may be granted in New South Wales pursuant to aforesaid application

Now this Indenture Witnesseth, that for and in consideration of the sum of

pounds sterling, to me in hand paid by the said

the receipt of which is hereby acknowledged, I have assigned, and sold, and by these Presents do assign, sell transfer, and set over, unto the said

the entire right, title, and interest of every character in said invention in the Colony of New South Wales, and in and to any Letters Patent that may be granted for said invention pursuant to the application for Patent aforementioned, and I hereby agree and covenant to make, and execute any further deed, or deeds for more fully assigning and transferring the rights hereby assigned, or intended so to be.

[ENCLOSURE]

The said rights are to be held by the said

for own use

and behoof and for the use and behoof of legal representatives to the full end of the term for which said Letters Patent are or may be granted as fully and entirely as the same might or could have been held by me had this assignment and sale not been made.

In witness whereof I, the said Thomas Alva Edison, have hereunto set my hand and seal this day of A. D. 1878.

Witnesses,

United States of America.
City, County and State of New York } ss.

On this day of A. D. 1878, before me personally came Thomas Alva Edison, to me known, to be the individual mentioned in and who executed the above assignment and acknowledged that he executed the same for the purposes therein mentioned.

As witness my signature and notarial seal the day and year last above written.

[ENCLOSURE]

Whereas I, Thomas Alva Edison, of Menlo Park in the State of New-Jersey, United States of America, have applied for Letters Patent in the Colony of Victoria for a certain invention of "Improvement in means for recording sounds, and in reproducing such sounds from such record," pursuant to documents executed by me May 29th 1878.

And whereas

has purchased of me the entire right, title and interest in and to the Letters Patent, that may be granted in Victoria pursuant to aforesaid application

Now this Indenture Witnesseth that for and in consideration of the sum of

pounds sterling, to me in hand paid by the said

the receipt of which is hereby acknowledged, I have assigned and sold and by these Presents do assign, sell, transfer and set over unto the said

the entire right, title and interest of every character in said invention in the Colony of Victoria, and in and to any Letters Patent that may be granted for said invention pursuant to the application for Patent aforementioned, and I hereby agree and covenant to make and execute any further deed or deeds for more fully assigning and transferring the rights hereby assigned or intended

[ENCLOSURE]

so, to be. The said rights are to be held by the said

for own use and behoof and for the use and behoof of

legal representatives to the full end of the term for which said Letters Patent are or may be granted as fully and entirely as the same might or could have been held by me had this assignment and sale not been made.

In witness whereof I, the said Thomas Alva Edison, have hereunto set my hand and seal this day of A. D. 1878.

Witnesses

United States of America
City, County and
State of New York } ss.

On this day of A. D. 1878, before me personally came Thomas Alva Edison, to me known, to be the individual mentioned in and who executed the above assignment and acknowledged that he executed the same for the purposes therein mentioned.

As witness my signature and notarial seal the day and year last above written.

Samuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.) New York, July 1st 1878.

Thos. A. Edison Esq.

Dear Sir:

Please let me know whether the model you sent in the other day was intended for Canada, or whether you desire application for Patent in U. S. on it.

Yours truly,

Samuel W. Serrell

per Barney

Also whether anything has been done about the Australian assignments

Also whether you are getting better and will be able to look after preliminary statements this week, as I expect to be in Washington next week and then went to take a vacation.

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689.)

New York, July 2nd 1878.

Thos. A. Edison Esq.
Dear Sir:

Yours of 1st inst. received

The papers on your Telephone, were forwarded June 4th 1878. for Provisional Protection.

Provisional protection in Gt. Britain has been granted on your Phonograph under date of April 24th 1878. No. 1644. French application on do. deposited June 7th 1878. Belgian deposited June 8th 1878.

The time for filing preliminary statements in the interferences "A & N" has been extended to Oct. 1st 1878. on the Telephone.

Yours true
Lemuel W. Serrell
per Pinckney

Lemuel W. Serrell's
OFFICES FOR PROCURING
American and Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689.)

New York, July 5th 1878.

Mr. T. A. Edison Esq.

Dear Sir:

In the matter of the Sawyer interference, it affords me pleasure to inform you that the question of priority of invention has been decided in your favor.

The usual 20 days are allowed for an appeal.

Yours truly
Lemuel W. Serrell
p. Dimeney

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689.)

New York, July 8th 1878

Thos A. Edison Esq
Dear Sir

Yours of 3rd inst to hand. I find it will be necessary to make two applications for Patents for the Phonograph, one for the plate machine including what was shown in figs 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. & 11. of last foreign applications, and the other for the cylinder machine including what was shown in fig. 12. 13. 14. 16. 15. 18. 64. 65. 66. and probably figs 19 to 29. of said foreign cases –

If you have any suggestions to make please let me hear from you at once as I propose to prepare these papers shortly.

Yours truly
Lemuel W. Serrell
Cp. O.H. Smith

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.)

New York, July 10th 1878.

Mr. T. A. Edison Esq.

Dear Sir:

In the matter of the Debuccata interference, can you and Mr. Batchelor be at my office on Saturday (13th inst) at 11 o'clk A. M. as Mr. Doubleday, counsel for deft. wishes to proceed with the examination at that time.

If it is impossible for you to be on hand, please telegraph me.

Yours Truly

Lemuel W. Serrell

W. Pinckney

P. O. Box 3520.

The Edison Speaking Phonograph Company,
203 BROADWAY.

New York, July 10th 1878.

Dear Mr. Edison:

The documents herewith were sent me by the Canada Patent Office and the marked sections would seem to show that your patent of Oct. 17. for "Speaking Telegraph" will not cover the Phonograph.

Ultimate immediate steps should be taken to secure your invention by Patent in Canada, as I judge from them leave you still have a right to do.

I am sorry not to have seen you to day but am obliged to go up town earlier than usual

Very Truly Yours

Chas. E. Bailey

Phone_

sent letter to Vernell
in reference to this
see letter book [illegible]

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4683.)

New York, July 10th 1878.

Mr. T. A. Edison Esq.

Dear Sir:

I am in receipt of notice from the Patent Office, stating that an application for Patent on Telephones has been filed, which is believed to interfere with your invention described in your Caveat No. 76. filed March 8th 1878.

You are allowed three months in which to perfect your invention, and file your complete application for Patent.

In the meantime, action on the interfering case will be suspended.

Yours truly
L. W. Serrell
Attorney

Acknowledge receipt of my
I send copy to Edison
Phonograph

Lemuel W. Serrell's

OFFICES FOR PROCURING

American & Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689)

New York, July 16 1878

T. A. Edison Esq

Dear Sir

Yours of 17th to hand. Your Canadian Patent on Speaking Telegraphs includes what is shown in Figs 1. to 15, of the English Patent granted to you July 30. '77, and the Phonograph shown in fig. 29 of said Eng. Patent is not shown in the Canadian Patent. Three forms of phonograph, however, are shown and described in the Canadian Patent, but the one with the grooved cylinder covered with metal foil as in said fig. 29 is not shown – Shall I prepare papers for Canada to cover this feature and also your recent improvements?

Yours truly

Lemuel W. Serrell

for W. Smith

Copy Letter to Edison July 13, 1878

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4089.) New York, July 13th 1878.

T. A. Edison Esq

My Dear Sir

I was surprised that we did not see or hear from you in the Western interference that was set for your testimony to day at 11 o'clock; De Zoetty was here and we were all at sea to know what to do; we will have to arrange another time; The Nicholson interference needs attention; the interfering claims have been rejected on the Dutch telegraph book; case 125 also needs your searching eye to keep me and it straight, when you are in town; but as I want to be away until Aug 4th probably nothing will

harm during my absence.—
Let me know about the
Lucato case however—

Yours truly

Lemuel W. Sewell

Aug 13 '95

Will you send me over this morning

P.O.

(July)

W4 7A Edison

I will be here tomorrow after 2 or 3 o'clock

L W Serrell

Lemuel W. Serrell's
OFFICE FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689)

New York, Aug. 16th 1878.

Thomas A. Edison Esq.
Dear Sir,

I wrote to the Patent Office enquiring what feature of invention would form the subject matter of interference, on your Caveat No. 78 and have just received an answer to the same, of which I send you a copy, below.

Yours truly
Lemuel W. Serrell
per Pinckney

"the subject of interference in pursuance of notice transmitted July 9. is found in fig. 79. of the drawing.

The invention consists in the use of a primary and secondary diaphragm in front of the pole of the magnet one receiving motion from the vibrations of the other.

The original notice is to be technically

regarded as covering the whole caveat and no further notices will therefore be given."

P.S.- Your complete application must be filed before Oct. 9th 1898.

L.H.S.
P.

Aug 16-98

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,

(P. O. Box 4689.)

New York, Aug 21 1878.

T. A. Edison Esq
My Dear Sir

I learn that you are expected back from your Western cruise on Friday or Saturday:

There are several matters on which I want to see you especially your Australian business, and as I go to Washington Monday night, write to you so that you may perhaps be able to see me on Monday. —

I hope you have had an agreeable journey

Yours truly

Lemuel W. Serrell

T. A. EDISON.

Menlo Park, N. J., Aug 26 187 8

L W Serrell.

When is my Telephone preliminary ~~statement~~ due?

T A Edison

1/PH

3.30 pm 4, pm

T. A. EDISON. 2 4.50 Am

Menlo Park, N. J., Aug 26 1878

My 26 T A Edison Menlo Park

October first L W Serrell

2454 auto 24

No 9.

Lemuel W. Serrell's
OFFICES FOR PROCURING
American and Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4630.)
New York, Aug. 29th 1878.

Thos. A. Edison Esq.
Dear Sir:

It affords me pleasure to inform you that your applications Nos. 100 and 112. Duplex Telegraphs, were on 27th aug. duly allowed.

Yours truly
Lemuel W. Serrell
per Ashley

Lemuel W. Serrell's
OFFICE'S FOR PROCURING
American and Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4638.)

New York, Aug. 31 1878

Thomas A. Edison Esq.

Dear Sir

I am unexpectedly called to Syracuse N.Y. on Monday and will be obliged to postpone our appointment to Saturday.

Hope this will be convenient

Yours truly
Lemuel W. Serrell
L. W. Serrell

[PHOTOCOPY. ORIGINAL IS IN INVOICE BOOK, CAT. 1161]

NEW YORK, Sep 1 1878

T. A. Edison Esqr

To SAMUEL W. SERRELL,

(194)

Solicitor of American & Foreign Patents.

76 CHAMBERS STREET.

1878		To amt of bill rendered May 25.	599 35
week ending			
June 11		" search English Pat	6
	8.15	" Time inter Bruneccato Case 137	6
		" Agreement Australian Patents	3
		" Caveat No 81. on weight & pressure indicator	18
		" Caveat fee No 81.	10
		" time argument on Sawyer inter case 128	5
	22	" " Australian sale	3
		" " inter De Zuccato	5
		" " Australian assignment	10
		" " Correspondence De Zuccato	3
		" Copy Eng spec Telephone	3
		" time assignment Australian	5
	29	" " inter De Zuccato	3
		" Copy Testimony "	5
July	15	" time Canada Infringement phonograph	3
		" " inter De Zuccato	3
	27	" Copy Opinion of Brewer & Jensen	3 50
Aug	3	" " Canadian pat matter & correspondence	3
	17	" time Autographic Pen, Letters, Dayton wheel & mind & correspondence Bliss	3
		" " inter Sawyer	3
	24	" " Electric pen suits correspondence Bliss	5
	31	" " Washington & Sawyer case 128	6
		" " inter De Zuccato	3
		" App Pat Phonograph Case 154	35
		" Pat fee " "	15
		" App Pat " " 155	45
		" Pat fee " " "	15
		Cr	$824 85
June	22	By Cash	100
			$724 85

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET.

(P. O. Box 4680.)

New York, Sep. 5th 1878

T. A. Edison Esq

Dear sir

The Patent Office in India has objected to the Petition and Declarations filed by you and require new ones to be furnished. I have prepared these and you will please call and sign them immediately to prevent delay – The declarations require acknowledgement before H. B. M. Consul –

Yours truly

Lemuel W. Serrell

Yp C H Smith

Lemuel W. Serrell's

OFFICES FOR PROCURING

American & Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.)

New York, Sept. 5th 1878

Thomas A. Edison Esq.

Dear Sir,

Your letter of 3rd inst. to hand and contents noted. Chas J. Dulany & Son of Philadelphia, the parties infringing your new patent are regular patent pirates and the only way to deal with them or bring them to terms is to sue immediately.

I have notified them.

Yours truly

Lemuel W. Serrell

per H. Serrell

Office for Patents.

76 CHAMBERS STREET.

New York Sept 10 1878.

Dear Sir,

It affords me pleasure to inform you that on Sept 9 1878 your application for Patent on Automatic Telegraphe No 208 was duly allowed.

The Patent will be engrossed for issue on receipt of TWENTY DOLLARS the balance of fee payable thereon if received within six months.

Yours Truly
Lemuel W. Serrell

To Thomas A. Edison Esq.

Lemuel W. Serrell's
OFFICES FOR PROCURING
American and Foreign Patents,
76 CHAMBERS STREET.
(P. O. Box 4089.)

New York, Sept. 13 1878

Thomas A. Edison Esq.
Dear Sir

Yours of 11th inst. to hand and contents noted.

It will be necessary for you to make a separate preliminary statement on each interference.

I would like to see you on Monday if possible, as there are several papers for you to look over and sign and I go to Washington on Monday night.

Yours truly
Lemuel W. Serrell
Serrell

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
140 NASSAU STREET,
(P. O. Box 4580.)

New York, Sep. 15 1878.

Thos. A. Edison Esq
Dear Sir

Yours of 13th inst. is received requesting copy Blakes transmitter patent: I presume you refer to Blakes applications that are in interference, there are four of these and copies will be required in conducting the interference; I have therefore ordered these; if however there is any patent of which you want copy please let me know

Yours truly
Lemuel W. Serrell

To all whom it may concern.

Be it known that I, Thomas Alva Edison, of Menlo Park, in the State of New Jersey, United States of America, have invented an Improvement in Phonographs or Speaking Machines, of which the following is a specification. -

My present invention is an improvement upon that for which Letters Patent were granted to me February 19. 1878, No 200,521. and said improvement relates to means for securing the metal foil upon the grooved revolving cylinder, to devices for adjusting the mouth piece and its connected parts; to means for regulating the speed of the revolving cylinder, and to the construction of the speaking part of the apparatus. —

In the drawing Fig. 1. is a plan and Fig. 2. is an end view of the improved instrument. The other figures are separately referred to.

The cylinder a. upon which the material to be indented is placed, is made with a helical groove in its surface, and said

cylinder is upon the shaft b. that has a screw thread at c. with the same number of threads to the inch as the grooves in the cylinder a.

Said shaft is driven by the gearing at d. and the wheels 2. and 3. are upon a sleeve surrounding the shaft b. which sleeve is made with a feather taking a groove in the shaft so that the shaft is revolved and an end movement given to it at the same time. –

This end motion of the shaft is obtained by the screw c. passing through the adjustable bearing e. and receiving a tooth upon the swinging arm f. this tooth acts as a nut to move the shaft endwise when said shaft is revolved, and by raising the arm so that the tooth is clear of the screw, the shaft and cylinder may be moved endwise in either direction to position the cylinder with reference to the indenting point of the speaking apparatus. A spring 4. Fig. 2. acting against a double inclined toe or projection on the arm f. keeps said arm in place when lowered or raised. –

In order to adjust the cylinder so that when commencing to indent the foil or other material the indenting point will lie in line with the groove in the cylinder, I make the bearing e. so that it can be moved back and forth in the fixed standard h. by the screw i. see figs. 2. and 3. when this screw is turned in either direction the bearing shaft and cylinder are moved bodily endwise, and the cylinder brought to the desired position in relation to the point f.

To secure the sheet of foil upon the cylinder a. I provide a narrow longitudinal groove in the surface of the cylinder in which fits a blade or plate l. of metal the top of this plate is flush with the surface of the cylinder and is grooved to correspond with the grooves in the cylinder so as not to interfere with the movement of the indenting point. the foil is first wrapped around the cylinder and the ends tucked in the groove; the blade is then brought down upon the ends of the foil as shown in the section fig. 4. and securely holds the foil in place.

In figs. 1. and 2. the plate l. is shown as made with guide arms that enter slides upon the ends of the cylinder a. and there are swinging pawls l'. that enter notches in the guide arms and prevent the plate l. rising from its groove; by turning the pawls aside, the plate l. may be raised to allow for the removal or introduction of the sheet of foil.

In figs. 5. and 6. the plate l. is hinged at one end and retained at the other end by a clamping button.

In figs. 1. and 2. the speaking apparatus consisting of the mouth piece o. diaphragm p. and indenting point r. is upon a standard s'. rising from the swinging arm s. and a lever clamp t. holds the arm in place when adjusted by the screw u.

In fig. 5. the speaking apparatus is upon the sliding shaft v. and this shaft receives its movement from the double threaded screw c. on the shaft b. of the cylinder a. acting upon the arm w. which cylinder a. has a right and left hand ~~wheele~~ helical groove in its surface corres-

-ponding to that of the screw c.

As the mouth piece and its parts are moved in one direction the lines of indentations are made spirally in the foil, and when the arm r. reaches the end of the screw the reverse screw moves the arm and parts in the other direction and the indenting point makes a second spiral line of indentations that crosses the first line.

The mouth piece is upon an arm clamped to the shaft r. by a screw 10. and by releasing this screw the arm can be swung back out of the way for introducing or replacing the material on the cylinder a.

To regulate the speed of the revolving cylinder a. I prefer the device shown in fig. 2. The gearing, d. is revolved by the weight d'. that is suspended by chains passing around the pulleys 13. 14. 15. the weight being raised by a crank applied to rotate the shaft 17.

The wheel 2. gives movement to the wheel 18. and upon the shaft of said wheel 18. or the hub thereof there is a slotted arm 19. projecting that receives the upper end of the pendulum rod 20. upon which is a weight 21.

The pendulum rod is made with a universal joint at 22. and said rod is revolved by the slotted or crank arm 9. If the speed increases the weight describes a circle of larger diameter and increases the resistance, consequently the speed will be checked.

The same form of governor is shown in fig. 7. but the universal joint is replaced ~~in~~ by a spring 23. that allows of the same movement to the pendulum rod.

In fig. 8. there is shown a magnet 24. upon the crank arm 9. to revolve the pendulum by attracting an armature at the upper end of the pendulum rod and thereby avoid the friction resulting from the contact of the surfaces of the pendulum rod with the crank.

It is to be understood that in recording the sounds on the foil the persons speaks into the mouth piece 5. or that the sound waves pass therein and vibrate the diaphragm and that the point upon the latter indents the foil forming a record of the sounds, and that such

sounds are reproduced by simply causing the point to pass from one ~~fol~~ indentation to the next either by the foil being moved beneath said point as in figs 1. and 2. or by the point being moved over the foil as in fig. 5. in either case the indentations give movements to the point and diaphragm precisely the same as the movements which produced those indentations, hence similar air waves and sounds are reproduced. –

I will now briefly describe some modifications in the construction of the speaking part of the apparatus. In fig 9. the indenting point 5. is upon a spring arm 5'. as in fig. 1. and there are short sections of rubber tubing 28. at each side of the diaphragm to dampen the diaphragm and prevent false vibrations. –

In fig. 10. the rubber of the diaphragm acts against the outer end of the arm 5'. to increase the leverage and lessen the depth of the indentations in the foil and allow of the record being made in

less yielding material than tin foil.

Fig. 11. shows a modification of the last mentioned device, the pressure being applied to the arm r. between the indenting point and the support for the arm so as to increase the depth of the indentations.

Fig. 12. shows the arm r. made as a lever with a retractile spring s to keep the point in contact with the foil.

Fig. 13. shows the indenting point upon the center of a spring bar that is firmly held at each end; the bar is connected at its center to the diaphragm p. by a string or otherwise.

Fig. 14. represents the diaphragm p. as of concave form instead of flat.

Fig. 15. shows the indenting point upon a spring secured to the diaphragm.

Fig. 16. shows a disk upon the spring r' of the indenting point; this disk is placed quite close to the diaphragm so that the two will vibrate together, as air cannot pass between or escape as rapidly as

the vibrations take place.
Fig. 17. shows the diaphragm P. vibrated by electro magnetism. In this case the diaphragm is to be of iron and the power of the electro magnet will be varied by a rise and fall of electric current passing through the helix of the electro magnet; this rise and fall of electric tension is to be produced by the action of sound upon a diaphragm and connections in an electric circuit.
Fig. 18. shows the method of vibrating the indenting spring and point by the direct action of an electro magnet without the use of a diaphragm, the electric tension in the helix being varied by sound vibrations upon a diaphragm.
Fig. 19. shows the spring arm r. connected to one end of a permanent magnet so as to highly magnetize the reproducing point: the foil should be of iron; when the point passes an indentation there will be less attraction than when passing on indentation; this will give good articulation free from the scraping noise of the point on

the foil, for in this case it does not touch the foil but is worked by magnetic attraction.

Fig. 20. represents two instruments in connection with the cylinder a. in this case the recorder and reproducer are separate.

The recording instrument operates in the usual manner, but the reproducer has its diaphragm set in motion by the rise and fall of the lever f. This reduces the scraping noise of the point on the foil. —

Fig. 21. shows an arrangement whereby four persons may speak simultaneously and have records made in separate parallel lines upon one cylinder and the sounds will be reproduced the same as though the foil contained the record of but one voice. —

Fig. 22. shows a single instrument adapted to receive the voices of three persons as in singing; the sounds made by the three voices are conveyed through flexible or other tubes to the diaphragm and

will be recorded in a single line of indentations, but when reproduced the sounds uttered will correspond to the three voices. –

Some of the parts herein shown I intend to make the subject of a separate application, such as the lever between the diaphragm and the indenting or reproducing point, therefore the same are not claimed herein. –

I claim as my invention.

First. The cylinder a. grooved longitudinally, in combination with the blade or plate i. for securing the ends of the foil or other material, substantially as set forth.

Second. The shaft b. cylinder a. and screw c. in combination with the bearing e. arm and tooth f. and adjusting screw i. substantially as set forth.

Third. The pendulum rod e. and weight turning upon an universal joint, in combination with the slotted crank or arm 19. for rotating said pendulum substantially as set forth.

Fourth. The mouth piece o. of the

speaking apparatus upon the swinging arm S. in combination with the lever clamp T. and adjusting screw U. substantially as specified.

Signed by me this 16th day of Sept. A.D. 1878.

Witnesses
(Signed) Fr. G. Pinckney
Wm. G. Mott

Thomas A. Edison

Copy of Case No. 154
Dated Sept. 16. 1878.
Filed Dec. 15. 1878.

Thomas A. Edison
Improvement
in Phonographic
or Speaking Machines.

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689.)

New York, Sep. 16th 1878.

T. A. Edison Esq

Dear Sir

In the various matters of interference I send you statement of the point in each case.

You had better make out a memorandum in each case showing when the particular pattern was first thought of; who it was described to, when it was tested, when it was put in successful operation —

The details are not now required, they will come afterwards: be sure and get your dates as far back as they actually exist, as the time cannot be shown earlier than stated in the preliminary statement, you are confined to its dates —

Let me have these memo—

randums of data be as early as you can, not later than Tuesday next.

Yours truly

Lemuel M. Ferrell

3/4476 V

Copy.

Dresden 1st September

Samuel W. Serrell Esq.
76 Chambers St New York

Dear Sir,

We beg to inform you that Edisons Application for a German Patent for "the transmission of electric currents and the reproduction of corresponding sounds at a distance" was published in the official Gazette on the 9th Inst. as we informed you in our letter of the 10th Inst. We have since then received a communication from the Patent Office in which the fact of publication is repeated with the following remarks.

"Claim No 2 has been objected to in its mode of expression"

"The fundamental idea of Edisons telephone the insertion of a semi-conductor, plumbago, the conducting compression of which effected by the swinging membrane alters the resistance in the current circle and hence the strength of the current is without doubt Mr Edisons invention, but the same has been made known in publications of older date, for instance, Preece, Engineering 24th August 1877 ——"

"The claims must therefore be confined to the forms described in the application in which this idea has now been realized."

"In the remaining claims the word "substantially" in the frequently repeated expression "substantially as set forth" must be omitted throughout; because this word might properly give a range to the claim not to be surveyed beforehand."

"It is self evident that a Patent can only be extended to what is actually extant in drawings and description."

At the same time we beg to inform you that Mr B. drops application for a Barkman Patent for improvements in means for recording sounds and in reproducing sounds from such record.

Application of 11th of July 1878 has been published in the Gazette of 11th of September and that we have received an official communication stating the title to be

"Neuerungen an Apparaten zum Aufzeichnen von Lauten und zur Wiedergabe dieser Laute nach dem Verzeichnen"

Without any further remarks

We hope that both patents will be granted.

We are dear sir,

Yours truly

A. J. Lumund Hodgkinson

George B. Prescott
Electrician

Electrician's Office
Western Union Telegraph Company

New York Sept 18 1878

Thomas A. Edison Esq.

Dear Sir,

By some mistake the patent office has issued the patent for Case 112 to you alone, instead of to you and myself. This case was specially mentioned in Judge Sanford's findings as covered by your assignment of August 19th 1874. I have enclosed a form of assignment for record in the patent office. Will you please sign the same and return to me with the copy of the patent

And oblige

Yours truly

G. B. Prescott

[ENCLOSURE]

[Assignment after issue.]

Assignment of Patent.

In consideration of one dollar, and other good and valuable considerations the receipt whereof in full is hereby acknowledged, I hereby sell and assign to George B. Prescott of the City of New York, one undivided half part of the whole right and title to Letters Patent of the United States, No. 207,724, granted to me September 3rd 1878, for certain improvements in Duplex Telegraphs, to be held and enjoyed by the said George B. Prescott, his heirs and assigns, for the full term of said Letters Patent.

And I covenant to and with said assignee, his heirs and assigns, that I have full right to assign said invention and Letters Patent, in manner and form as above written, and that the interest hereinbefore conveyed is free from all prior assignment, grant, mortgage, license, or other incumbrance whatever.

And I covenant to and with the said assignee, his heirs and assigns, that I will, whenever the legal counsel of said assignee, his heirs and assigns, shall advise me that a reissue of said Letters Patent is lawful and desirable, sign all papers, take all rightful oaths, and do all acts necessary or convenient to the procurement of such reissue, without charge to said assignee, but at his expense.

In Witness whereof, I have hereto set my hand and seal, as of and for the ..... day of ..... A. D. 18.....

A. ..... (L.S.)

[ENCLOSURE]

ASSIGNMENT OF PATENT.

No. 207,724

Thomas A. Edison

TO

George B. Prescott

Dated ..... 18..

Filed ..... 18..

Every assignment or grant of an exclusive territorial right, as well as of an interest in the Patent, must be recorded in the Patent Office within three months from the execution thereof.

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET.

(P. O. Box 4689.) New York, Sep. 21 1878.

T. A. Edison Esq

Dear Sir

The enclosed assignments of cases 112 & 113 have been made out as carrying out the decision of Judge Lawford: Mr Prescott says he spoke to you about them. Please return when signed.

I have not yet received the papers that you took for acknowledgment before consul in India. Please send them. Yours truly

Lemuel W. Serrell

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET.

(P. O. Box 4689.) New York, Sep 24th 1878.

Thos A. Edison Esq

Dear Sir

We are getting into a corner and need your prompt action. —

The Telephone patent in England has to be proceeded with, and I have to send funds from here by Oct 1. so as to reach there by 15th inst, and I need your help to supply those funds —

The English patent on Autographic printing dated Oct 29, 1875, has to be sent over and £50 stg. paid (then (=$275) before Oct 29 next, should be sent from here by Oct 12. Please let me hear from you, also send the papers for India — Yours truly

L. W. Serrell

Lemuel W. Serrell's
OFFICES FOR PROCURING
American and Foreign Patents,
76 CHAMBERS STREET,

(P. O. Box 4689.)

New York, Sep 27 1878.

T. A. Edison Esq
Dear Sir

Do not forget the application on Telephones that was to be made Sept 7. pursuant to call under caveat 76. This states to primary & secondary diaphragm in front of pole of magnet.

Yours truly
Lemuel W. Serrell

Lemuel W. Serrell's
OFFICES FOR PROCURING
American and Foreign Patents,
76 CHAMBERS STREET,

(P. O. Box 4689.)

New York, Sep 27 1878

T. A. Edison Esq
Dear Sir

When you were in the other day I forgot to ask you about the declaration for the India Patent: you took this and were to acknowledge before consul and send back to me, but you have not done so: Please let me have these papers

Yours truly
Lemuel W. Serrell

In the matter of Interference
Thomas A. Edison,
v.
H. C. Nicholson,
Improvement in Quadruplex Telegraphs.

New York, September 30, 1875

Thomas A. Edison, Esq
Menlo Park, N. J.

Dear Sir:—

The present is to give notice that on Thursday Oct. 14, 1875 and before the Examiner of Interferences at U. S. Patent Office, and at 12 o'clock noon, or as soon thereafter as the same can be heard, I shall make a motion to exclude from the interference, the patent No. 162,633 granted April 27, 1875 to Thomas A. Edison and known as case 74; for the reason that the same does not contain the subject matter of the interference in controversy, viz. The combination with a telegraphic circuit and battery, of two keys at one station acting independently, one to reverse the polarity, and the other to increase or decrease the electric tension and two receiving instruments at the other station

operated independently one by the change of polarity, and the other by the change of tension.

The foregoing being substantially one of the points claimed by Dr. Nicholson, and shown in Edison's case 99 and sought to be claimed by him therein —

(Signed) Lemuel W. Serrell
Atty for T. A. Edison

Copy
Nicholson interference

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.)

New York, Oct. 2 1878

T. A. Edison Esq

My dear Sir

I have received two sets of papers from you lately, one on Oct 1st with five descriptions on Telephones which I have dated their time of reception but have not been able to examine, the other yesterday which I understand to be a duplicate. You do not say whether this is for a caveat or application. A model also of this was sent in so I suppose it is for an application. There was also a telephone left at the same time but I do know what it belongs to. —

When are the India papers?

Yours truly

Lemuel W. Serrell

John H. Porter
Grosvenor P. Lowrey
Geo. Wales Soren
Chas. Parsons Stone
George S. Hamilton

P.O. Box 1836.

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street, (DREXEL BUILDING.)

New York, Oct 5th 1878

Thos. A. Edison Esqre
Dear Sir:

Enclosed I send you, by direction of Mr Lowrey, receipt of Mr Sewell for $200 paid by Mr V. to Mr S. this day, in the matter of the Electric light.

Yrs Respy
G. S. Hamilton

Received New York Oct. 5th 1878. of Thomas A. Edison the sum of Two hundred dollars on account of Patent business in connection with Electrical Lights.
$200.00
Samuel M. Sewell
Per McKeney

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.)

New York, Octo 7 1878

Thomas A. Edison Esq.

Dear Sir,

On the Electric light patents that you have ordered, $245. additional is required to cover expenses.

Yours truly

Lemuel W. Serrell

Serrell

Serrell	245
Charcoals,	~~128~~
Wallace.	75
Rothery & Fowler,	52
	65
Iridium, etc	117
	1240

Griffin Get Receipt from McLowry

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.)

New York, Octo 8 1878.

T. A. Edison Esq

Dear Sir

Please be at my office at noon Friday, this week with Mr Batchelor for cross examination on the interference with Sawyer.

Mr Doubleday will be here at that time for the special purpose, please be on hand.

Yours truly

Lemuel W. Serrell

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4086)

New York, Oct. 14th 1878.

Thos. A. Edison Esq.

Dear Sir;

I have to advise you that the 2nd annuity on your German Patent in Autographic Printing No. 12,34 of Nov. 21. 1877. is due Nov. 21. 1878.

The amount of this annuity is $20. specie including expenses, and the funds should be sent from here by Nov. 2. 1878.

Please let me know your wishes in the matter.

Yours truly

Lemuel W. Serrell

p. O. McKney

Please send money to Chas. Mott Jr. Esq. not to me

T. A. EDISON. 3

Menlo Park, N. J., Oct 16 1878

NY 16

Mr T A Edison

I want to see you tomorrow night matter of [illegible] half [illegible]

L W Serrell

10 PM

409

T. A. EDISON. 4

Menlo Park, N. J., Oct 19 1878

L W Serrell 76 Chambers St NY

When will those foreign papers be ready to sign

Edison

9 AM

3 PM

T. A. EDISON. 4 4th

Menlo Park, N. J., Oct 19 1878

My 19 T. A. Edison
mb

Ready Wednesday.
L W Serrell

25 pk
8 8 9

T. A. EDISON. (2)

Menlo Park, N. J., Oct 22 1878

L. W. Serrell
76 Chambers
N.Y.

[illegible] go on
[illegible] Steamer
if so will be very very important that some of them go as Scientific American is going to publish
T. A. Edison

25 pk.

4th 9 mg

T. A. EDISON. 2 5.29 Pm

Menlo Park, N. J., Oct 22 1878

NY 22d
T. A. Edison Mx

Come tomorrow all papers go Thursday
L. W. Serrell

6 Dtt.
Mx 9.Pm.

T. A. EDISON. 1 N.Y. 3.04 Pm

Menlo Park, N. J., Oct 23 1878

NY 23d
Thos A Edison Mx
Serrell says tomorrow will do he wants you to have papers for examination tonight shall bring them & want you to send me back from Uniontown tonight
Geo H Bliss

27 Dtt.
Mx

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689)

New York, Oct 23rd 1878

Thos. A. Edison Esq.
Dear Sir.

If you are able I would like to have you come tomorrow to sign the powers of attorney necessary for Electric Light matters & some of these must be acknowledged before consul.

I will send copy of specification by tomorrow's steamer so that translation may be going on and no time lost.

Yours truly

Lemuel W. Serrell

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689)

New York, Octo. 26 – 1878

Thos A. Edison Esq
Dear sir

Please send me your French Patent no. 121.687, Telephones deposited Dec. 19. 77. and granted Feb. 19. 78.

I require this for use in obtaining the Austrian Patent for the same invention, The Austrian Govt. now only grants a patent to a foreigner provided he has obtained a previous original patent, and I wish to show by your French Patent that you have obtained such a patent – The final papers for the foreign ~~papers~~ patents were sent by 'overland mail –

Yours truly
Lemuel W. Serrell
Jr. [illegible]

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET.

(P. O. Box 4689.)

New York, Nov 4th 1878.

Thos A Edison Esq

My Dear Sir

I send copy Sawyers patent as desired —

The copies of the electric light patents and magnetic electric machine patents have all been selected from the books and ordered

The Patent Office has refused on your electric light to the English patent No 12278, this is evidently a mistake as no such patent is among "Electricity". No 12287 is an electric "thermometer" and has nothing to do with your light. I have written for information

The powers of atty, France were with my agent in Paris

Octo 22. Pastreas has seen them and says they are all right and he said the cash was forthcoming

Your continental and English light papers are going on all right: Your English provisional was lodged 23. Octo:

Brewer writes that on 22 the London times states "that you, Erbsons Agent had sent to your London correspondents this documents, which we only received this morning" — By this you will see how you are waited and that the London papers had knowledge that I had sent the papers, the day before they were received by Brewer, The precautions taken have not been unnecessary. —

The batch of cases for you will be sent down in a day or two —

Yours truly

Lemuel M. Penell

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689)

New York, Dec 4 1878.

Prof. Thos. A. Edison

My dear Sir

When Mr Bliss was here we discussed the subject of Mott & Bonds communication. He was to hunt the matter up carefully on his return, to ascertain what the instrument was for, whether it was publicly or privately used, whether it is practically available for writing purposes: the action to be taken will depend upon what he finds out, — If a thing is fully successful (not experimental) and is publicly used, a person afterwards inventing the same cannot obtain a valid patent; but a patent that has been granted, (as yours has) is not to be set aside except 1st by public use or sale for more than 2 years 2nd That you were not the first and original inventor 3d That it had been before patented or described, or 4th that you had obtained a patent for that which another had before invented, and who was using reason—

able diligence in adapting and perfecting it:

You will see from the foregoing that further information is required, in the line indicated, before it can be told whether or not the machine in question is likely to injure your patent. — Mr Bliss was inclined to the idea that both Grist and the St Louis machine were big frauds —

Yours truly

Lemuel W. Serrell

Serrell W M
Patent matters

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4080.) New York, Nov. 6th 1878.

Thos. A. Edison Esq.

Dear Sir;

The Canadian Patent Office calls for a more complete model of your Phonograph.

It will be well if you can call in, or send in so that the matter can be fixed up.

Yours truly

L. W. Serrell

Per Ick

Lemuel W. Serrell's
OFFICES FOR PROCURING
American and Foreign Patents,
76 CHAMBERS STREET,

(P. O. Box 4689.)

New York, Nov. 6 1875.

Thos A Edison Esq
My Dear Sir

Brewer & Jenson write under date 25 octo. that Col. Gouraud requested them to see him and pursuant to his request have handed a general retainer to Theodore Aston. Q.C. their greatest patent lawyer as a general retainer in your behalf.

They are very desirous of your keeping publications out of the papers re describing your improvements. The statement about your improvements they say is truly marvelous.

They say they understand that Col. Gouraud has the working of the patent and

they will render him any aid in the matter they can in the event that I do not instruct them to the contrary.

How is this, What is Gounaud's position?

Yours truly,

Lemuel M. Lovell

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4089.)

New York, Nov 6 1878

Thos A Edison Esq

Dear Sir

As I telegraphed you this morning the Patent Office has referred to English patent 17,976 as anticipating the broad claim on your electric light patent: You have a blue-book containing this I believe: please look it over and let me have your idea of the difference: Should you not have the same please send me for one of my books having a partial publication

I do not think it serious but it must be carefully studied up

Yours truly

Lemuel W. Serrell.

T. A. EDISON, 11.53 a.m.

Menlo Park, N. J., Nov 6th 1878

Telegram

N.Y. 6th

T A Edison M Park

Brewer telegraphs stop Edisons publications till
#opposite stage passes look at English patent twelve two seventy six and send me your views or send to my office for book -

Sewell

2954

Probably means till information comes from Eng'd by steamer

T. A. EDISON.

Menlo Park, N. J., 7 NY. Nov 6 1878

L. W. Serrell

Plainfield

N.J.

Come to Telegraph Office after supper will have wires put through from here to Plainfield wish to speak to you very important. Reply immediately if you will be there and what time

T A Edison

See NY

T. A. EDISON.

Menlo Park, N. J., 187

Conversation with Serrell 8 P.M.

To Serrell Plainfield —

Can we cable a provisional specification to England?

Edison

Edison

Yes, but expensive. It cannot be filed except as a communication.

Serrell

To Serrell

Will it be safe for Brewer to make the communication

Edison

T. A. EDISON.

Menlo Park, N. J., 187

To Edison

Yes

Sewell

To Sewell,

The following is the Cable that I propose to send.

To Prince & Jenkins
Chancery Lane
London

Tell the following provisional and apply for Great Seal immediately

improvements in Conductors for electric lighting which may be brought to bear by the paradise of the [illegible]

T. A. EDISON.

Menlo Park, N. J., 187

I mould finely divided iridium platinum Ruthinium or other metals that have high melting points in the form of cylinders splitts, and other forms and pass currents of electricity through the same to render them incandescent.

Another part of my invention consists in varying the resistance of such cylinders by mixing with such finely divided metals non conductors which are with difficulty fusible, such as Magnesium or Zirconia oxides

Edison

T. A. EDISON.

Menlo Park, N. J., 187

To Edison

Except the last 20 or 30 words you are already found by your paper that have been sent

Sennell

To Sennell

That is the important part of it Please put it in shape and send it back to me in the proper form for transmission

Edison

T. A. EDISON.

Menlo Park, N. J., 187

Sennell's form of Cable
(which was sent to London at 4.00 P.M.)

Brewer & Jensen
Chancery Lane
London

Enter provisional and seal immediately as a communication from Edison.

Improvements in Lighting by Electricity

The light giving material is in the form of cylinders or prisms of finely divided metals such as platinum, iridium, ruthinium or other material having a high melting point mixed with non conductors such as magnesium or silicon oxides that are with difficulty melted. These are mixed and compressed into the proper form for the light and rendered luminous and incandescent by the passage of the electric current

Sennell

T. A. EDISON.

Menlo Park, N. J., ... 187

To Sewell

You telegraphed today for me to look at English patent No 12276. Do not understand Numbers do not run that high - What year is it in, whose patent is it?

Edison

Edison

About 1849 under old law I do not remember name

Sewell

To Sewell

Does it say anything about regulation by Expansion

E

T. A. EDISON.

Menlo Park, N. J., ... 187

Edison

There is a regulation of the distance of the Carbon points but I did not have time to examine the account fully. I saw nothing about Expansion. I thought you had the full published specifications

I have a book with specifications and drawings send to my office for it tomorrow

Sewell

Good night

T. A. EDISON. 3

Menlo Park, N. J., Nov 7 1878

F. R. Jewell Chairman H

My

No conflict with the Incandescent Lamp Patent. It relates solely to a Carbon

T. A. Edison

12 M

4 PM
9 PM

T. A. EDISON. 4 5 PM

Menlo Park, N. J., Nov 7 1878

Mr T. A. Edison

Look carefully to find divided metals and to action of expansion. Then let me have book back

F. R. Jewell

17 M
7 P

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689.)

New York, Nov. 7th 1878.

Thos. A. Edison Esq.
Dear Sir,

In the interference with De Puccato I want to arrange for a compromise & close up the matter by mutual concessions; In his patent No. 187,161. he makes a porous paper and prints through the same with a pad and a solution of iron. This is based on his English patent No. 1963. of 1872. and this antedates Edison on the broad ground of porous paper and printing by pressure. The parties concerned with De G. propose to limit themselves to the chemically prepared porous paper and now to be limited to the mechanically prepared paper and make a business termination on that ground. The patent No. 55,869 to J. Huffman Earlham, Ill. June 26. 1866 was incidentally referred to. It appears to be for the very instrument that has turned up in the Chicago suit. In a telegram sent to Mr. Bliss today I gave the name and number, and suggested that the patent be purchased. Huffman must be close

to Chicago.

If this can be purchased it may antedate some other parties with dental pluggers, but of that you must examine.

I have telegraphed for an abstract of assignments to see who owns the Huffman patent and will advise, and have, written to Mr. Finckel, my agent in Washington to see if the handle was tubular with the needle in it and will advise when answers are received.

You will want to approach Hoffman through a third party or he may get his price up in the sky.

Yours truly

Lemuel W. Serrell

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.)

New York, Nov. 8 1878.

Thos A Edison Esq

Dear Sir:

I send to you duplicate accounts Nos 1. 2. 3: these are only copies of those you have kind.. No. 4, brings the balance forward and shows the present state of your own account. —

All U. S. matters or electric light are included and charged in the account with Mr Lowry, who I understood paid the $200. Oct 5.

The recent telephone and telegraph cases go to W. U. T. Co.

One other matter on account needs attention: The bill sent to Mr Puskas on Phonograph May 21st included Spain and Russia, and showed Mr Puskas as owing me

$651.39. I wrote Bruce to engage William Puskas wanted the Spanish & Russian patents and not to enter them unless he so directed: As far as known he has not so directed neither has he paid the above amount which covered the cost of these two patents ($300 each) hence the May account of Puskas is nearly equal. —

You ordered for Puskas on the 29th patents the countries named in the enclosed bill which leaves sound funds of this in my hands. — What is to be done with them?

Yours truly,

Lemuel W. Serrell

6-8

New York, Nov. 8th 1878.

Theodore Puskas Esq.

To **LEMUEL W. SERRELL,**

SPECIFICATIONS, MECHANICAL DRAWINGS, CAVEATS, ASSIGNMENTS, RE-ISSUES, REJECTED APPLICATIONS, EXTENSIONS, INTERFERENCES, &C. — ACCURATELY PREPARED and PROMPTLY ATTENDED TO.

SOLICITOR OF AMERICAN & FOREIGN PATENTS,

76 CHAMBERS STREET.

Balance of bill date May 21. 1878.			$ 651.39
Deduct Spain & Russia not procured with as advised $300 each			600
		Bal.	51.39
Electric Light Patents France 1 y.		130.	
Belgium 2 "		115	
Russia 5 "		360.	
Austria 1 "		170	
Germany 1 "		145	
Italy 1.		170	
Spain under new law		150	about.
Sweden		200	
Victoria		200	
			1640 "
By cash from Mr. P. $1900			1691.39
Due Mr. P.	208 61		
	1691.39.		

No 1.

New York, Nov 8 1878

Theo. Puskas Esq.

Not

f. 212.

Lemuel W. Serrell,

Solicitor of American & Foreign Patents.

76 CHAMBERS STREET.

To Balance of bill dated May 21/78	651 39
By deduction, Spain Russia not proceeded with as advised $300 each	600
	$ 51 39
To Electric Light Pats France 1 year	130
" " " " Belgium 2 "	115
" " " " Russia 5 "	360
Charge for change 3 to 10 years paid by Duval Morgan & Co (Total $385)	225
" " " " Austria 1 "	170
" " " " Germany 1 "	145
" " " " Italy 1 "	170
" " under new cau Spain about	150
" " " " Sweden	200
" " " " Victoria	200
	$ 1691 39
Norway S. M. & Co.	150
Denmark " " "	150 —
By Cash from Mr P. $1900.	
Due " 208 61	
$ 1691.39	

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.)

New York, Nov. 11th 1878

Thos. A. Edison Esq.

Dear Sir:

I send enclosed a copy of a communication received from my correspondents at Dresch concerning your Phonograph.

Yours truly

L. W. Serrell

per Pinckney

[ENCLOSURE]

(Copy)

Dresden 25th October 1878.

Lemuel W. Serrell
76 Chambers Street New York.

Dear Sir:

We have received your favor of Oct. 3rd on the 19th Inst. - thanks. -

Edison Phonograph

We have informed M. Puskas, Paris this day that a certain Professor Yaker has exhibited a Edisons Phonograph in this City in the month of May of this year, we have heard this accidentally, have had great trouble to ascertain the whereabouts of said Yaker who appears to be an itinerant person treating with electric machinery.

We have this day received a communication from optician mechanic at Berlin

Franz Schmidt & Halmch
Stallschreiber Str. 4. Berlin S.

maintaining that the description of Edisons Phonograph has been published in January & February a.c. before application for a German Patent was made.

This firm desires not to withdraw the application, and if we refuse

[ENCLOSURE]

to do so, they will oppose the Patent.
Of course we do not reply to this communication.

Your letter of January 9th arr. gave the order to file the application, we filed at the Empire Patent Office on the 23rd of January.

Schmidt & Walesch gave no exact dates. –

We await communications from the Empire Patent Office to see whether opposition has been made or will be made."

Copy of letter from Dresden Oct 26-98 concerning the Photographs

to a letter from Sewell in relation thereto

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689)

New York, Nov. 11 1878

Thomas A. Edison Esq
Dear Sir,

Yours of 8th inst to hand and contents noted.

The aniline ink is not in question on the Mahnecato interference matter, and I do not find that you have any claim on the same although it is spoken of in your patent of Aug. 8/78 No. 180,885.

It might be well for you to look at said patent and see if the aniline ink there spoken of is described in the same manner as you now find it available and if not you had probably better patent the same now.

Yours truly
Lemuel W. Serrell
Pres.

Do not let
your mind
be so busy
as to forget
yourself

Nov 1871
Carroll
I exaggerate matters
wrote Carroll that
it is do and
he thinks best

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.)

New York, Nov. 12 1878.

Mr. A Edison Esq

Dear Sir

Please sign and return the enclosed disclaimer, it is needed to point out the difference between 97 and 111, so as to prevent the issue of 97, because there is an apparent similarity and the Patent Office thinks that 97 should have been disclaimed in 111. before the latter was issued: This paper inserts that disclaimer

Yours truly,

Lemuel W. Serrell

Lemuel W. Serrell's

OFFICES FOR PROCURING

AMERICAN & FOREIGN PATENTS,

119 & 121 NASSAU STREET,

(P. O. Box 4689.) NEW YORK, Nov. 12th 1878.

Thos. A. Edison Esq

Dear Sir

The specification and drawings for completing your English Patent of June 15th last. for "Telephones and apparatus employed in Electric circuits; must be on file in the British Pat. Office before the 15th of next month.

I send herewith a copy of the Provisional Specification and also a copy of the drawings of Caveat No. 76. At the time of preparing this Prov. Spec. you expected to include in the complete spec. part of what is shown in "76," and also what is set forth in U. S. Pat. No. 203.017. which latter is for a Telephone call.

Please let me know what you wish included in this Eng. Pat. without a moments delay as the time is getting short -

Yours truly

Lemuel W. Serrell

for C H Smith

T. A. EDISON.

4

Menlo Park, N. J., Nov 12 188

Brewer and Jensen
London

Send copies every patent
Electric light
issued to date

Sewell

14 Wests Bar paid
5.6 pm
C. Mac

14
10
10
10
10
10

Copy of letter to Brewer & Jensen

Not Sent

Nov 13 — 78

T. A. EDISON,
Menlo Park, N. J.

FROM THE LABORATORY OF
T. A. EDISON,
MENLO PARK, N. J.
U. S. A.

Nov 13. 1878

Messrs Brewer & Jensen
London England

Gentlemen:- I am in receipt of your letter to L. W. Serrell Esq, under date of Oct 29th covering enclosures of the letter of Charles E Shea Esq to you dated Oct 24th and your answer to him.

I have no time for ordinary business correspondence but am disposed at all times to give attention to communications from inventors or students.

So far as Mr Shea's letter relates to the present doubtful question whether he and I may have hit upon the same device so that letters patent to one might be made totally destructive of the interests of the other, I am indisposed to entertain any proposition whatever. If he, or any person has made a prior invention I shall congratulate him. If it shall prove that I am fortunate enough to have devised a novelty useful to mankind I shall be unwilling to run the risk of having to share the credit with another person. Upon this point I have always been strenuous. While entirely unwilling to have any credit which belongs to another, one strong incentive to me for expending myself in the making of inventions is the enjoyment

of just credit for whatever I may devise.
The second part of Mr Shea's letter is based upon the hypothesis that our inventions may prove to be different but equally useful, and therefore liable to become competitors in a commercial sense. It is not yet time in my judgment to consider such questions. When the time does arrive if at all my business associates and myself will expect to deal with all such matters as practical business men.

I fully approve of the sentiment expressed in the clause next to the last in your letter and you have my permission to send a copy of this to Mr Shea if you think desirable

Very Truly Yours

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.)

New York, Nov. 13th 1878.

Thos. A. Edison Esq.

Dear Sir:

I have to advise you that the 2nd annuity on your French Patent on Telephones, of Dec. 19. 1877. No. 121.687. is due Dec. 19. 1878

The amount of this annuity is $25. specie, including expenses, and the funds should be sent from here by Nov. 30. in order to reach Paris in time.

Please send me this French Patent of Dec. 19. 1877. as the one you sent was the addition to the same.

Let me know your wishes in regard to the payment of this annuity.

Yours truly

L. W. Serrell

per Buckley

N.Y. Nov 8 '78

Serrell

Regarding annuity on French pat

No 121687

wrote him Nov 15 '78 to pay the amt to Chg Paskas & sent him the pat as per request

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.)

New York, Nov. 14th 1878.

Thos A Edison Esq

Dear Sir:

I am in receipt of notice that Provisional protection on your English Patent Electric Light was granted Oct. 23. 1878. and numbered 4226. —

Yours truly

L. W. Serrell

per Lincoln

3 Nov 15-78

L W Serrell
76 Chambers st NY

On second page of Telephone papers sent today make it read "Moistened with a deliquescent salt" The word deliquescent was omitted

T A Edison

4 N H
9 Ma 1145 Am

1 Nov 20, 78
11 20 AM

NY 20
Thos A Edison Esq

I would like to see you today if possible
L W Serrell

TAH
Ma 9

1 Nov 20 78

L W Serrell
76 Chambers st NY

Too late to get there would lose whole day - Time valuable Cant you send papers here

T A Edison

16 SH

11 20 Am
9 Ma

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689)

New York, November 20 1878.

Thomas A. Edison Esq.
Dear Sir,

The telegram sent you today was to see you about patents in Norway and Denmark. I have word this day from Mess Brewer & Jensen to say that you should have patents in these countries immediately, or you will be anticipated; they send powers of attorney for you to sign if you propose to take these patents and request, if so, that we telegraph them to that effect, and they will move at once, and then await receipt of papers.

They enclose from Specification of Welch an abstract that will interest you, and they regret the publication in the Scien. Amer. which they say has been published in the London papers also.

Please let me know about the Norway & Denmark cases at once.

Yours truly
Lemuel W. Serrell
Serrell

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4669.)

New York, Nov. 28th 1878.

Thos. A. Edison Esq.

Dear Sir;

Please call in on Tuesday morning next, as I want you to look over and execute the English papers which are all prepared, and should be sent forward immediately

Yours Truly

Lemuel W. Serrell

A. Pinchney

Lemuel W. Serrell's

OFFICES FOR PROCURING

American & Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4059.)

New York, Nov. 23rd 1878.

Thomas A. Edison Esq.

Dear Sir:

In a communication received this morning from my correspondents in Paris, they state "The Edison telephone business is not yet concluded; one of the parties interested mentioned yesterday that the conclusion would probably take place tomorrow." (Nov 11th)

I am also in receipt of notice, (dated Nov 11th) from Brewer & Jensen, that they have forwarded on Monopolit your Danish Patent, dated 31st Oct. 1878, which must be worked there within a year.

I have forwarded the powers of attorney for Norway & Denmark.

Will you please return the letters of Brewer & Jensen, which Mr. Griffin borrowed this week.

Yours Truly

Lemuel W. Serrell

p Pinckney

1245
pm
Nov 26

Nov 26 78
Thos A Edison
Menlo

Please come in
this day, to sign
papers must
be sent tomorrow
L. A. Serrell

11 AM
gm 9

(Copy)

London,
28th Nov. 1878.

L. M. Sewell Esq.
Madrid.

"Edison's Phonograph
Spain.

The patent for this invention must be worked in the country before the 16th May next. Our correspondent at Madrid reminds us of this and offers to ~~take~~ undertake the working ~~must be~~ we communicate with Mr. Prufas in the matter or has Mr. E. himself the business still in his hands, in the latter event kindly advise us if we are to take any action in the matter and should we have to do so we should require a phonograph to be sent to Madrid also a set of telephones for others to be made like them.

Our correspondent says he is in a position to find people to work these inventions commercially in Spain.

B & J.

Copy to Prufas

Acknowledged by Prufas
To see to the matter
Has not Edison B & J. Also instructions of this kind

London Nov 26 28

Copy of letter from Brewer & Jensen to L.W. Howell

Regarding phone & telephone in Spain

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4089.)

New York, Nov 27 1878.

T. A. Edison Esq
Dear Sir

We call for models in Canada on Phonograph is now limited as follows.

Fig. 8. lever c. with shaft c. and worm pinion and wheel. —
" 19 Right & left screw shaft
" 31 Chamber with diaphragm
" 46 Mouth piece as shown
" 49 Trumpet phonet " "
" 56 Diaphragms & tube " "
" 63 Exhibit phonet " "

Please let me have these as soon as you can. —

Yours truly,
Lemuel W. Serrell
P. G.

Lemuel W. Serrell's
OFFICES FOR PROCURING
American and Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4089.)

New York, Nov 27 1878.

T. A. Edison Esq
Dear Sir

A little model on a black stand with three columns and glass ~~globe~~ shades on top with spirits within came from you some week or two days ago and I have no information as to what it is for —

Yours truly,
Lemuel W. Serrell
P. G.

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689.)

New York, Nov 30 1878

Thomas A. Edison Esq
Dear Sir

Yours of 28th inst. to hand and contents noted.

I have made a thorough search among my papers and fail to find the draft of specification on the Electric Light model referred to, and conclude that the same must have been mislaid before reaching me.

I will be obliged for another one and will then put the case ahead.

Yours truly
Lemuel W. Serrell
W. Serrell

Rec'd a copy of letter of 11th
Model

[ENCLOSURE]

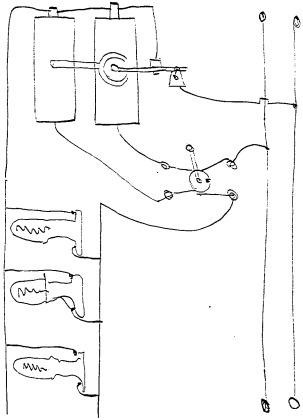
Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.) New York, ... 187



Model accompanying application

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.)

New York, Dec 2 1878.

Prof Thos. A. Edison

My dear Sir

Send you three cases for examination and execution; these are all that I have on hand for you with the exception of the coil light sent 29th and the English also sent that day; In regard to this English case I wanted to see you so as to be sure of covering just what you wanted to secure: I have to be in Wash't till Thursday night and not having seen you to day as I was in hopes of doing, I shall have to get you to call on Friday, so that the declaration can be executed and further particulars obtained

You say, and bill to Lowry: Is there any part of the cost-bill sent to you personally, that is also to go to Lowry? —

There are two telephones that I also want to see you about: I think they had better go in our patent, but we will find out when I see you —

Yours truly

Lyman M. Gerrell

Model of type writer with & draft spec. just rec'd.

Wm Rae 2-7-7
Assess

Lemuel W. Serrell's
OFFICES FOR PROCURING
American and Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689.)

New York, Dec 4 1878

Thos. A. Edison Esq
Dear Sir
I return you the last sheets of specifications for corrections. Case 164 signed in wrong place, Witnesses wanted, Case 163 Ditto — Case 165 Witnesses wanted

Yours truly
Lemuel W. Serrell
E. Mott

London Me.
4th Dec 1878.

L. H. Serrell Esq.
Dear Sir:

We very much regret to inform you that "Edisons" application for Patent "Electric light" No. 4226 is opposed and the grounds of objection are that Mr. Edison is not the first and true inventor of the whole or parts.

We have not yet received the Official notice but hope to do so tomorrow. We have already taken steps in the case to realize the objection and we have sent notice to messrs Herbert & Co. who are the agents of the objector, a Mr. Russell, but who the latter gentlemen is we have not yet been able to ascertain, he does not appear to have any patents proceeding in connection with the electric light.

We fully anticipate the objection is made vexatious. [illegible] will now fully appreciate our reason [illegible]

invention being kept secret until the opposition stage had passed.

Yours very truly
Brewer & Jensen

(Copy)

London
4. Decr. 1878.

Messrs Herbert & Co.
Gentlemen,

We find that you are the Agents for a Mr. J. H. Russell No 12. Cook Street, on whose behalf you have lodged an objection to Thomas Alva Edison's application for Patent No. 4226 ?. This is to give you notice that we cannot find there is any application for Patent, prior to Edison's, in Mr. Russell's name and should it be shown that he, Mr. Russell has no locus standi in the matter or that the objection has been lodged for vexatious purposes and that in consequence

such objection our clients interests are or should be in any way prejudiced that your client will be held responsible and that he will be subjected to such ulterior legal proceedings as Mr. Edison or we on his behalf may be advised to institute.

Yours faithfully,

B. J.

Copy

Patent Law amendment Act. 1852.

I, John Huddart Russell, of 12 Cork Street, in the county of Middlesex, hereby give notice that I object to the grant of Letters Patent to Thomas Alva Edison, of Menlo Park in the State of New Jersey, United States of America, for the Invention of "Improvements in the method of and means for developing electric currents and lighting by electricity" as set forth in his Petition recorded in the Office of the Commissioner of Patents for Inventions on the 23rd day of October 1878, And my objection to the grant of such Letters Patent is as follows:—

That the said Thomas Alva Edison, is not the true and first Inventor of the said Improvements or of some of them.

Dated this 8th day of December 1879.

Charles & Co.
Agents

L W. Serrell. 1 Dec 4. 78

Patent office Washington

Herald's ~~[illegible]~~ cable today says my patent ~~[illegible]~~ in England opposed by one Russell. argument in two weeks, Can patent be opposed after obtaining great seal.

Edison

14 NH
9 Pm & Ma

Dec 4. 78
4 30 P.M.

2

Washn D.C. 4

Thomas A Edison
7115

Cannot be opposed after seal it must relate to one that is not sealed

Serrell

14 NH
Ma 9

2 Dec 4. 78

L. W. Serrell
Patent Office
Washn D.C.

They were both ordered to be sealed immediately How is that

11 NH Edison

5 Pm & Ma

3
N.4.4

Dec 4, 78
5 20 PM

T.A. Edison
ms

Did you see J.H. Russell's objection to your patent in England. Tell me who he is and what it means.
Space no object.

D.V. Lynch
The World

26 paid
Maly

T. A. EDISON.

3 Menlo Park, N. J., Dec 4 1878

D.V. Lynch,
World office,
NY

Do not know him or anything about it, I suppose he takes advantage of some technical flaw. They have a beautiful system of patent law invented I think by King Canute or some other ancient ruler ~~who~~ who understood the needs of our times.

Edison

H.L. Collect
835 pm
G.W.T.

T. A. EDISON.

10 90 AM.

/

Menlo Park, N. J., Dec 5 1878

Washington D.C.
Thos A Edison no

Notices to Seal have to be published three weeks to allow opposition to be entered

Serrell

DH

No 9

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.) New York, Dec. 6th 1878.

Thos. A. Edison Esq

Dear Sir,

In regard to your new English patent, I would like to see you as soon as you can, as I do not think the papers as sent will sufficiently explain matters to fully protect you in case of opposition and I do not understand the points myself sufficiently to do you justice.

If you and not likely to be in town tomorrow or Monday I could arrange to go down via Menlo Park. Yours truly

Lemuel W. Serrell

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.) New York, Dec 6th 1878.

Thos A Edison Esq

My Dear Sir

Mr Lowry wants bill on light matters, Please let me know by return whether any items on the bill sent to you should be left off your personal bill and charged in acct. to be sent to him for Co. I am also very short on money matters and hope you will be able to help me.

Yours truly

Lemuel W. Serrell

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689.)

New York, Dec. 6th 1878.

Thomas A Edison Esq
My Dear Sir.

In regard to the English opposition to the electric light patent I have to advise that the Provisional on the first patent was filed Oct 25; and notice to proceed was given as soon as the same could be done, viz Nov. 12. when the certificate of Prov. pat. was delivered. — Opposition could be entered as the law provides before the expiration of three weeks viz before Dec. 3d The case comes up before the "Law-Officer", and he hears and determines the question "whether Edisons provisional has been obtained in fraud of the true and first inventor"; That is the only allowable opposition; the opposition has to show that Russell was the first inventor of that which Edison has shown, and this opposition is made in ignorance of what Edisons spec. contains; The published title does not give any idea of the nature of your invention, hence Russell may claim some different device and will have his trouble

for nothing, and have to pay the costs.

Brown & Jensen have the full particulars of your invention by the specifications and drawings in their hands, and will carefully attend to your interests at the hearing before the law officer. —

A Mr W. A. Walton called on me in Washt. last evening, claimed to be the author of the articles in the N. Y Herald Nov 9. &c, and wanted to get for the Herald full particulars of your light patents; I took care to let him know less when he left than when he arrived: He said there were a number of sharks in England that were trying to devour you, and he thought he could assist in helping you over them through his numerous influencial friends &c &c; I thought perhaps the Russell opposition might have originated this side of the water and be a myth. —

Yours truly

Lemuel W. Serrell

(No. 2.)

Room No. .....

All communications should be addressed to the Commissioner of Patents.

DEPARTMENT OF THE INTERIOR,

United States Patent Office,

Washington, D. C., Dec. 6, 1878.

Thomas A. Edison.
care U. H. Painter, Esq.
Philadelphia, Washington,
D. C.

SIR: Your Application *for a Patent for an* Improvement in

Vocal Engines.

has been examined and allowed. The Patent will be engrossed for issue on the receipt of TWENTY DOLLARS, *the balance of the fee payable thereon, if received within* Six Months *from this date.*

If the final fee is not paid within that time, the Patent will be withheld, and your only relief will be under the provisions of Section 4897, *Revised Statutes.*

When you send the final fee, you will also send, Distinctly and plainly written, *the name of the* Inventor *and* Invention, *date of allowance, and, if assigned, the* names of the Assignees. *If you desire to have the patent issue to* Assignees, *an assignment, containing a request to that effect, together with the* Fee *for recording the same, must be filed in this Office on or before the date of payment of final fee.*

Additional copies of Specifications and Drawings, will be charged for at the following rates: Single copies, uncertified, 25 Cents; *twenty copies or more,* 10 Cents *each. The money should accompany the order.*

Very respectfully,

Final fee paid this day, H. E. Paine.

Commissioner of Patents

N. B.—Inventors who desire to procure foreign patents, are advised to take steps to do so before payment of the final fee. Under the present system of exchanges the OFFICIAL GAZETTE is mailed at once after its issue, and as publication of an invention in some foreign countries is bar to a patent, inventors will see the necessity of this precaution.

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4089.) New York, Dec 6th 1878.

Thomas A Edison Esq

My Dear Sir

I discovered the Huffman patent and advised the purchase; If it got into hands of opponents they would give the ~~auto~~ electric pen Co. particular fits, and by holding it the pen folks can use it against infringers—

Please send me back the Dr Incate interference papers if you have got through with them:—

Yours truly

Lemuel W. Serrell

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4089.) New York, Dec 6 1878

Thos A Edison Esq

My Dear Sir

I am just in receipt of the details of Opposition to the German Telephone patent: We have to forward the answer so that it will reach Dresden before Jan 1st Now is therefore no time to loose; Please let me have your ideas about the answer as soon as you can, so that I may prepare Thode and Knoop to argue your cause before the Imperial German Patent Court

Yours truly

Lemuel W. Serrell

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.)

New York, Dec. 9 1878

Thomas A. Edison Esq.

Dear Sir

Enclose letter from Mr. Shaw which has just come to hand, and would like to have you examine the same and return it to me with your instructions.

Yours truly

Lemuel W. Serrell

W. Serrell

Office for Patents.

76 CHAMBERS STREET.

New York Dec. 9th 1878.

Dear Sir,

It affords me pleasure to inform you that on Dec. 7. 1878. your application for Patent on Electric Light (Case No. 156) was duly allowed.

The Patent will be engrossed for issue on receipt of TWENTY DOLLARS the balance of fee payable thereon, if received within six months.

Yours Truly

Lemuel W. Serrell

To Thos. A. Edison Esq.

Office for Patents.

76 CHAMBERS STREET.

New York Dec. 9th 1878.

Dear Sir,

It affords me pleasure to inform you that on Dec. 7. 1878. your application for Patent on Electric Light (No. 162) was duly allowed.

The Patent will be engrossed for issue on receipt of TWENTY DOLLARS the balance of fee payable thereon if received within six months.

Yours Truly
Lemuel W. Serrell

To Thos. A. Edison Esq.

New York December 10th 1878.

$500.00

Received of Thomas A. Edison Esq. Five Hundred Dollars on account of Patent Business

Lemuel W. Serrell
W. Serrell

Mary Banks

Room No. 120.

All communications should be addressed to the Commissioner of Patents.

DEPARTMENT OF THE INTERIOR,

United States Patent Office,

Washington, D. C., Dec. 10 1878.

L. H. Edson,
Menlo Park, N.J.
Cp. U. S. Express
Wash. D.C.

SIR:

Your APPLICATION *for a Patent for an* IMPROVEMENT IN

Vocal Engines

allowed Dec. 6, *187*8, *has been granted.*

Your Patent will bear date Dec. 10, *187*8, *be numbered* 210,767, *and be printed and ready for delivery within two weeks from this date.*

Very respectfully,

H. E. Paine.

Commissioner of Patents.

Lemuel W. Serrell's

OFFICES FOR PROCURING

AMERICAN & FOREIGN PATENTS,

~~90 & 92 LIBERTY STREET,~~ 78 Cortlandt Street

(P. O. Box 4089.) NEW YORK, Dec 1, 10 1878.

Thos A Edison Esq

My Dear Sir

I discover a matter of yours that I had overlooked, and suppose you have also — You two Phonograph cases Nos 154 & 155. have been prepared and executed by you, but we have no models: You furnished one model of the flute machine and of the cylinder, both in one box, and it was intended to saw the box in half, but as you were in a hurry for the Canada patent that one model was sent there and you have not furnished any other models for the two U. S. cases. —

Shall I send these case off and state that models will be furnished in the future, or how soon can you furnish these models? —

Yours truly

Lemuel W. Serrell

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4080.)

New York, Dec. 12th 1878

Thos. A. Edison Esq.

Dear Sir:

I have to advise you that the 2nd annuity on your Austrian Patent in Phonographs, of Jan. 15. 1878. is due Jan. 15. 1879.

The amount of this annuity is £25 sterling, including expenses and the funds should be sent from here by Dec. 28th 1878. in order to be in time.

Please let me know your wishes in the matter.

Yours truly

Lemuel W. Serrell

W. Linn Gray

Edison
Annuity Patents
Austrian Patent

Wy 12/78

My dr C

I send you by this mail a copy of Pending Bill in Senate on Patent Laws. Read carefully & send me your views! This bill is a kind of compromise between anti Pat profs & inventors - but fail to let me hear - with a letter I can show - your matters here well taken care of

Yrs

Dec. 12, 28
W H Painter
No ans

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4089.)

New York, Dec. 16 1878.

Thos A. Edison Esq

My dear Sir:

The ~~confounded~~ newspaper men are doing you more harm and producing more trouble ~~than they are worth~~: I am just in receipt of another opposition to your German patent on the Phonograph, which is based on the publication in the Scientific American, reproduced in France. As I told you at the time I was fearful that this publication in S. A. would give trouble, and so it has turned out: I have written to Hodes & Knoop giving them the best instructions as to the manner of meeting this opposition

and hope that it may be overcome by good generalship, but I see no other way of meeting the matter —

Yours truly

Samuel M. Sewell

W. Pierce, 7th Scouts

Dec 19
Hon. W. L. Tax

Lemuel W. Serrell's

OFFICES FOR PROCURING

American & Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4089)

New York, Dec. 16th 1878.

Thos. A. Edison Esq.

Dear Sir:

The Patent Office has notified me that an application has been filed, which apparently interferes with your Caveat No. 77. on Phonographs.

You are allowed three months from 13th inst. in which to file your complete specification and drawing, after which if the two cases interfere, an interference will be declared to prove priority of invention.

The claim of the application is to the combination of a diaphragm recording surface, and a lever connected with the diaphragm and carrying a point &c.

Please let me know your wishes in the matter.

Yours truly
Lemuel W. Serrell
A. Pinkney

Send Copy of this to Purdon

Lemuel W. Serrell's

OFFICES FOR PROCURING

American & Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689)

New York, Dec. 16th 1878.

Thos. A. Edison Esq.

Dear Sir:

I have to advise you that the 2nd annuity on your Belgian Patent on Telephones of Jan 11. 1878. and the 2nd annuity on your Italian patent on the same, of Jan. 19. 1878. are due Jan 11 & 19. 1879.

The amount of these annuities are Belgian $13. and Italian $20. specie including expenses, and the funds should be sent from here by Dec. 21st in order to be in time.

The invention also requires to be worked in Belgium within one year of working elsewhere in order to maintain the validity of the patent.

Please let me know your wishes in the matter.

Pay it from Purdon money in your hands

Yours truly

Lemuel W. Serrell

per Pinkney

Lemuel W. Serrell's

OFFICES FOR PROCURING

American & Foreign Patents,

76 CHAMBERS STREET,

New York, December 16th 1878

(P. O. Box 4689)

Thos. A. Edison

Dear Sir

Claim 11. of your appn. for Patent in Ger. Emp. is "The combination in an instrument for receiving sounds electrically of an electro-magnet and armature plate, sub. as set forth –" The objection to this claim is that it was shown in the apparatus of Reis and Bell.

How shall I answer it?

Send word at once as the answer to the objections should leave by first mail

Yours truly

Lemuel W. Serrell

Per A. H. Smith

Letter claim X To Cont Translation

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.)

New York, Dec. 16th 1878.

Thos A. Edison Esq

My Dear Sir

I am just in receipt of a letter from Mr Forbes; he acknowledges the receipt of my letter and bill and says he never expected to meet any expenses, neither now or afterwards, and thinks you so understand the matter —

Please let me know what the arrangement with Forbes was; and whether it is best to send to him for the papers and let them go to the other party for Mexico —

He was to pay you for the papers

Yours truly

Lemuel W. Serrell

Copy

London
17 Decr 1878.

L. W. Serrell Esq.
Dear Sir:

We are in receipt of your favor of 6th inst.

As you know by this time, it is quite true that "Edisons" application is opposed by one Russell, a first hearing of the objection came off last evening and it turns out that "Arnaud" is really the opposer, his patent is dated 14 Oct. last No. 4074 this patent was not sealed till the 13th Inst. hence the reason his name was not allowed to transpire as "Edisons" opponent for it would have given us the opportunity of opposing the sealing.

The hearing is adjourned for probably a week or ten days, we shall hasten it on as much as possible consistent with safety and we shall not save any trouble or expense in the matter to bring the question to an issue.

Should we succeed at this

stage the sealing may be opposed.

Copy of "Standard" newspaper forwarded this mail gives a short report of the hearing yesterday.

"Russell" has to pay the costs, this means taxed costs, that is costs allowed by the court not the full costs.

Nothing can be found out about "Russell" more than he is living in lodgings at the address given. has been there some few days or so, and it cannot be ascertained he has anything to do with Electrical matters but he is bound by the day after tomorrow to furnish evidence that he holds pecuniary interest in "Arnaud" patents and should he not be able to do so the present objection will probably ~~be~~ collapse.

B.J.

I send by mail newspaper post the "Standard" referred to.

L.M.S.
Jun P.

Copy of letter from A.J. Boskett Dec 11, 97 Russell objection to Sealing Post

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET,
(P. O. Box 4689)

New York, Dec. 19th 1878

Thos. A. Edison Esq
Dear Sir

Yours of 17th inst. to hand — Mr. Puskas has no funds in my hands, therefore I have charged you with the annuities on the Italian and Austrian Patents - Speaking Telegraphs, and directed the annuities to be paid

I await information from you in regard to the objection to the 11th claim in your German Appn. for Patent, mentioned in mine of 16th inst —

Yours truly
Lemuel W. Serrell
J. C. McSmith

Enclosure
5

Executive Office

Western Union Telegraph Company

Norvin Green ~~Vice~~ Pres't

New York, Dec. 19th 1878

Mr. Thos A. Edison
Menlo Park N.J.

Dear Sir:

Enclosed please find bill, dated Nov 30th, of Mr. Terrell against the Company, containing various items which refer to matters with which you are familiar.

Will you please examine this bill and check those items of which you have knowledge and then return the same to me?

Those items checked "P" have been examined and certified by Mr. Pope.

Very truly yours

Clarence Gary
Atty

T. A. EDISON.

Menlo Park, N. J., Dec 20 1881
4 10 PM

/

N.Y. 20
Thos A Edison Mo

Brown Telegraphs Russells objections
defeated with costs
Lutterell

8 collect
14 9

Copy of Letter from Brewer & Jensen.

21st Dec. 1898.

L.W. Serell Esq.
Dear Sir

We have much pleasure in confirming our cable message of last evening. "Russell's objection defeated with costs" We had pushed the hearing on as much as possible and it came off yesterday afternoon with we are pleased to say the above result.

Under same cover we send you copies of the declarations we had filed viz "Walcuns" and "Adams". We will endeavor also today to send a statement of the costs in this particular matter they have been rather heavy especially owing to the heavy fees paid to Mr Coleman.

Russell is ordered to pay but we shall not be allowed the full amount; we will advise you of the amount we are allowed as soon as possible and when paid we will place the amount to the credit of your account.

Russell or any one else having an interest therein may oppose the sealing of patents but of this we shall probably know in about ten days time and

will advise you in due course.

We think Russell has had enough of it and if any further opposition comes it will be from other quarters but we do not anticipate any.

Yours truly

A Brewer Jensen

Copy of letter from Brewer & Jensen London Dec 31 98

to Berrill

Regarding Russell's objection to E Light patent in Eng

Dec 23-78
1227.

No 1 N 1123
Thos A Edison mo

Re. last case of Conductors in Iron tube to be a Caveat or an application

Serrell

15-5 H mal

T. A. EDISON.

3

Menlo Park, N. J. Dec 23 1878

L W Serrell
70 Chambers St NY

An application You have the Model

Edison

6 DH

8 40 pm
9/19

Lemuel W. Serrell's

OFFICES FOR PROCURING

American and Foreign Patents,

76 CHAMBERS STREET,

(P. O. Box 4689.) New York, Dec 23 1878

Thos. A. Edison Esq

Dear Sir

In answer to your letter of 20th inst relative to Insurance and Patent taxes on the Telephone patents, I have to advise you that there was a misunderstanding between my book keeper and Mr Smith when the latter wrote you 19th inst. I have funds of Mr Pasker in my hands, (about $150) and the taxes on these two patents have been charged to his account. I regret that this mistake occurred, but it is all right now, Yours truly,

Lemuel W. Serrell

Dec 30. 78

358

N 1130

T. A. Edison Ins

Can you come in tomorrow to sign papers that have to be acknowledged before Consul

Serrell

15 DA Mal

3 Dec 30 78

F W Sewell
76 Chambers st NY

What papers
Edison

WDH
6 Mar 4 Pm

3 NY 30 Dec 30 78
3 Pm

T A Edison mv

For Victoria on Electric
Light

Sewell

5 WH
Ans
Mch

Lemuel W. Serrell's
OFFICES FOR PROCURING
American and Foreign Patents,
76 CHAMBERS STREET,

(P. O. Box 4689.)

New York, Dec. 31. 1878.

Thomas A. Edison Esq

Dear Sir

I sent to you by mail Dec. 23d papers for the electric light-case, with the "secondary" batteries, No 168. and the same has not yet been returned:

No 169. is for the conductors in the tube, on changing the current to different buildings: I send these papers herewith; there are some points on which I need further explanations as noted in a slip attached: there is a space for this to be written in when you have given me your ideas. With best wishes for a happy New Year for yourself and yours I

am ever

Yours truly

Lemuel M. Sewell

I have not yet received back the Discharge mentioned by John. I want to get the matter finished up as soon as possible, in the manner intimated.

LMS

Mr. Wm. A. Jewell

T. A. EDISON.

Menlo Park, N. J., 187

NY 8th

Edison

Send your Canada patent first mail Sewell wants it to settle controversy important

E. H. Johnson

14 Collect

To all whom it may concern.
Be it known that I, Thomas Alva Edison of Menlo Park, in the State of New Jersey, United States of America, have invented an Improvement in the Method of and Means for developing Electric Currents, and Lighting by Electricity, to be as follows
The first feature of this invention relates to a means for developing a current of electricity by mechanism so as to obtain the necessary electrical force cheaply, and the second part of this invention relates to the electric light itself, the method of regulating the intensity of the light, and preventing injury to the same, and the peculiar devices that are employed in an incandescent state to give the light.
It has long been known that if two electro-magnets, or an electro-magnet and a permanent magnet be drawn apart or caused to pass by each other, that electric currents will be set up in the helix of the electro-magnet
It has also been known that vibrating bodies such as a tuning fork, or a reed, can be kept in vibration by the exercise of but little power.
I avail of these two known forces and combine them in such a manner as to obtain a powerful

electric current by the expenditure of a small mechanical force.

In fig. 1 of the drawing a tuning fork a^2 is represented as firmly attached to a stand b^2 this fork is preferably of two prongs, but only one might be employed upon the principle of a musical reed, This vibrating bar or fork may be two metres long more or less, and heavy in proportion; it has its regular rate of vibration like a tuning fork and the mechanism that keeps it in vibration is to move in harmony; a crank and revolving shaft or other suitable mechanism may be employed, but I prefer a small air, gas, or water engine, applied to each end of the fork.

The cylinder a^1 contains a piston and a rod b^1 that is connected to the end of the bar, and steam, gas, water or other fluid under pressure acts within the cylinder, being admitted first to one side of the piston and then the other by a suitable valve; the valve and direct acting rod c^2 are shown for this purpose

The bar or fork a^2 may be a permanent magnet or an electro-magnet, or else it is provided with permanent or electro magnets; I have shown an electro-magnet c^1 upon each prong of the fork; there may be two or more on each and opposed to these are

the cores of the electro-magnets $\underline{d}$. hence as the fork is vibrated a current is set up in the helix of each electro magnet $\underline{d}$. in one direction as the cores approach each other and in the other direction as they recede.
This alternate current is available for electric lights but if it is desired to convert the current into one of continuity in the same direction a commutator is employed operated by the vibrations of the fork to change the circuit connections each vibration and thereby make the pulsations continuous on the line of one polarity.
A portion of the current thus generated may pass through the helices of the electro-magnets $\underline{c}'$ to intensify the same to the maximum power, and the remainder of the current is employed for any desired electrical operations wherever available. I however use the same especially with my electric lights, but I remark that electricity for such lights may be developed by any suitable apparatus.
I have represented commutator springs or levers $\underline{c}^3$ $\underline{c}^4$ operated by rods that slide through the levers $\underline{c}^3$ $\underline{c}^4$ and by friction move them. When the prongs $\underline{a}^2$ $\underline{a}^2$ are moving from each other the contact of levers $\underline{c}^3$ $\underline{c}^4$ will be with the screws $\underline{40}$. $\underline{41}$. and the current will be from line $\underline{1}$. through $\underline{c}'$ to $\underline{c}$. thence to $\underline{c}^3$ to $\underline{41}$. $\underline{43}$. and to circuit of electro-magnets $\underline{d}$.

d. and from d. d. by 42 to 40 c^4 and line as indicated by the arrows. When the prongs a^2 a^2 are vibrating towards each other the circuit will be through c^1 c. c^3. 42. in the reverse direction through the circuit and magnets d. d. back to 43. and by c^4 to line.

Platinum and other materials that can only be fused at a very high temperature have been employed in electric lights but there is risk of such light giving substance melting under the electric energy. This portion of my invention relates to the regulation of the electric current so as to prevent the same becoming so intense as to injure the incandescent material The current regulation is primarily effected by the heat itself and is automatic.

In fig. 2. I have shown the light producing body as a spiral a. connected to the posts b. c. and within the glass cylinder f. This cylinder has a cap l. and stands upon a base m. and for convenience a column n. and stand o. of any suitable character may be employed. Most of the other figures are in the form of diagrams to more clearly represent the electrical connections. I remark that it is preferable to have the light within a case or globe and that various materials may be employed such as alum water between two concentric cylinders

to lessen radiation, retain the heat and lessen the electric energy required, or colored or opalescent glass, or solutions that reduce the refrangibility of the light such as sulphate of quinine may be employed to modulate the light and the light may either be in the atmosphere or in a vacuum.

The materials that I have found especially adapted to use as light giving substances are set forth hereafter. The electric circuit fig 2. passes by line 1. to the post r. and by a wire to the lever f. thence by the wire or rod k. cap l. wire e. to the post c. through the double spiral a. to the post b. and by a metallic connection or wire to the post n. and line 4. and so on through the electric circuit and the light be developed in a.

The rod k. will expand in proportion to the heat of the coil or in proportion to the heat developed by the passage of the current through the fine wire k. and if the heat becomes dangerously high, injury to the apparatus is prevented by the expansion of rod k. moving the lever f. to close the circuit at i. and short circuit or shunt a portion of the current from the coil a. and reducing its temperature; this operation is automatic and forms the principal feature of my invention because it effectually preserves the apparatus from injury.

The current need not pass through the wire or rod k. as the expansion thereof by the radiated heat from the

coil a. will operate the lever f as indicated in fig. 3. but the movement is not so prompt.-
If the light giving body is a globule or small bar of silicon, boron, titanium or other substance between carbon, platinum or other metal rods as shown in fig. 4. the spring f will be employed to press the lever f and hold the parts in position- The expansion of the parts a. k. by the heat from the current short circuits the current as before.
In fig. 5. the lever f. is represented as within a glass so that a vacuum can be employed- The rod h may be of carbon, titanium oxide or any other conducting body
In fig. 6. the expansion rod k. is represented as adjacent to the light giving body and acted upon by radiated heat as well as the heat from the passage of the current-
In fig. 7. is represented a light giving body formed of a platina or similar wire around which carbon is made to adhere by pressure, the same becomes luminous by the action of the electric current.
In fig. 8. the spiral a. is similar to that in fig. 2. but a spring l. is used as a safety to maintain the electric circuit unbroken if the wire k. or coil a. should fuse and thereby break the circuit. the current passes by wire 1. contact point 2. and block i. to line 4. when switch x. is in contact with 2. this throws the light out of action, but when x. is moved to 3. the current

goes by 1. f. k. a. to i. and line 4. but if a. or k. is broken, the spring lever f. closes to t. and current goes by 1. f. t. to 3. and by switch x. to i. and line 4.
In fig. 9. the switch x. when swung into contact with R. presses the spring t. upon lever f. and short circuits the current from k. and a. through the rheostat R. that is of equal resistance to the light giving material. When the switch x. is moved to 3. the light is brought into action and the lever f. regulates the current as before described.
In fig. 10. the switch x. when at 3. allows the current to pass through the resistance coil R. or rheostat, that is of equal resistance to the light giving materials, so that other lights are not influenced by lighting or extinguishing one electric light; the other parts are like fig. 8.
Fig. 11. represents an electric light like that shown in Fig. 6. only a spring and arm f. take the place of the lever.
Fig. 12. corresponds to fig. 7. except that the spring arm f. is used instead of the lever.
Fig. 13. represents a carbon pencil or rod and spring lever; the carbon itself in this case expands when the current is too strong and the spring short circuits the current and becomes as before an automatic thermal regulator.
In fig. 14. the light giving body a. is represented as a strip of platina or similar foil and there is a

safety switch t. in the form of a spring and this is used in addition to the spring or lever f. so that in case of the spring being interfered with at i. by dust or oxyd upon the contact points, the rod k. by a slight additional expansion touches the safety spring t. and short circuits the current.

Fig. 15. represents two strips of platina a. a'' If the strip a. expands under heat so as to cause lever f. to leave spring lever f.' and break the circuit, that cannot happen until the spring f.' rests upon the contact point i; this allows the electric circuit to divide and pass through both a. and a''. this reduces the temperature of both and the two are maintained in the circuit until the contraction of a. separates f' and i.

In fig. 16. the lever spring f.' when it comes in contact with i. closes the shunt circuit through the rhostat R. that lessens the power of the current on the platina strip a.

The spring S. is adjustable to maintain the proper tension on the lever f.

In fig. 17. the end of the spring lever f. rests upon a small platina wheel 10. that is upon an arbor in jaws at the end of the screw 11. When this screw is turned one way it causes the wheel to touch the spring and extinguishes the light by short circuiting it. When the screw is turned the other way, the contact is broken and the light induced. By the movement of the jaw

and roller up and down, the platina wheel is revolved progressively by two stationary spring pawls 12 and 13. acting on a ratchet wheel on the arbor of the wheel 10. By this device a new contact surface is brought into action each time the light is turned on.

In fig. 18. three bent levers f. are shown, their vertical ends hung in a cup of mercury to which one line wire is connected. The circuit passes through these levers f. and foil a. but when the foil becomes too hot it expands and allows the levers to make contact with i. and short circuit the current, one of the three levers will be almost sure to operate, but if not, and the light giving body a. still expands, the point 15. will touch the spring 16. and throw the circuit through the resistance R.

In place of the levers last described, three or more springs may be used as in fig. 19. the action being the same as levers; or four or more springs may be used as in fig. 20. there being an adjustable spring 18. to apply a slight tension to the strip of platina and to preserve the continuity of the circuit should the springs fail to connect. The automatic thermal circuit regulation is in some instances effected by the heat given by the electric light to air or gas in a confined vessel. The apparatus fig. 21. corresponds generally to that shown in fig. 2. except there is a diaphragm w. of thin metal or other

material across below the perforated base that holds the glass o so that this diaphragm will be pressed downward by the expansion of the air contained in the glass, and when the maximum temperature is obtained the current will be short circuited by the spring 21. that is insulated and connected with the line H. through being brought into contact with the end of the screw i. that is also insulated and connected with the other part i. of the line circuit. It is to be understood that in all cases the action of the short circuit or shunt is momentarily to lessen the current through the light giving substance and the circuit closing devices play up and down at the contact point, maintaining uniformity of brilliancy in the light.

The device shown in fig. 22h. acts the same as before indicated, but the coil u. is horizontal and the wires reach it by passing through a piece of chalk or similar material resting upon a base m. and the short circuiting is by the contact with the screw i. of a platina projection on the diaphragm. A spring circuit closer may be used as shown in dotted lines.

If mercury or a liquid is introduced in the confined space containing also the light, and the air or gas heated thereby, a tube may lead to a circuit closing cup as shown in fig. 23. to short circuit the current

when the maximum temperature is obtained.

In lighting by electricity it is often important to use a secondary battery in connection with the main current. The diagram fig. 24 shows four electric light coils a. a. a. a. in a secondary circuit containing cells SB. with plates in a conducting liquid and the lever 28. is vibrated by an electro-magnet 29. or by clock-work; when the lever 28. is in contact with 39. the current from line 1. passes through 29 and SB to 4. but when 28. leaves 39. the line is closed but a local circuit is made between 28 and 30. through the coils a. and secondary battery; the discharge of this secondary battery gives the light and the movement is so rapid that the light appears continuous.

A single secondary battery may be introduced with one or more lights as in fig. 25. the expansion of the light giving material short circuiting the current through the secondary battery SB, the light giving device may be a spiral such as that shown in fig. 26 the same being illustrated by dotted lines.

A coil a^3 may be used in a vessel containing water or other fluid as seen in fig. 26 said coil being of less resistance than the light, so as to heat the water and operate the circuit closing diaphragm

Instead of a rheostat in the shunt circuit, I sometimes employ a button of carbon 38. as seen in fig.

27. In this case the spring lever f bearing upon the carbon button lessens the resistance by the increase of pressure as the platina strip expands, and as it contracts and lessens the pressure on the carbon button the resistance of that carbon button increases and a greater portion of the current is sent through the platina strip. This regulation is very accurate.
If a helix of wire 33 is placed in the same position as the carbon as seen in fig 28. the action will be the same, for when the coils of the helix touch each other the resistance will be less in the shunt than when the helix is distended by the contraction of the platina strip, or wire a. and the proportion of current passing through a. may be increased by the contraction of a. and the reverse. This construction prevents electric sparks, as the metallic circuit is continuous.
When an electro-magnet is introduced in the electric circuit and its armature spring is set up strongly so that it will not respond until the maximum electric current is flowing through the circuit, then the movement of the armature can be made to short circuit the light giving body as illustrated in the diagram fig 29. and thereby lessen the current at the light or it may be made to throw in a resistance or rheostat R to lessen the flow of the current

as shown in fig. 30.
One lever f or spring circuit closer may be made to regulate the flow of electricity through several lights.
The diagram fig. 31. illustrates several lights placed in one or more derived circuits, each light being regulated independently by its own thermal regulator.
Fig. 32. represents ranges of lights, one branch circuit being connected at the upper ends of the lights and the other circuit wires to the lower ends, to the circuit regulating levers.
Fig. 33. illustrates the circuit connections of ranges of lights in which the top of one light is connected with the bottom of the next, the circuit regulating springs f always acting in the circuit. The magneto electric machine or other source of electricity is represented at a^2
A variety of helices, coils, ribbons, and other forms of light giving materials are illustrated in fig. 34 to 42. and I remark that in all cases the light is due to the incandescence of the body, and that the thermal regulator of the circuit is to be adjusted or made to act automatically to lessen the electric current before the same becomes sufficiently intense to injure the light giving substance; this point will vary according to the material employed in the light
A cylinder of platina foil around a rod of lime gives an excellent light, and strips, wires, rods, beads, and pieces of iridium, ruthinum, rhodium, osmium, titanium and other metals that fuse at a high temperature may be used

Also conducting oxides may be used such as oxide of titanium.

In fig. 43. the two strips of platina a. a'. are connected at their ends to the large and small pulleys 50 and 51. and the lower end of a. is connected to the spring f. and of a'. to the block 52. If the foil a'. expands, it allows the pulleys to be rotated by the spring f. drawing off foil from 50. and thereby increasing the length of the foil that is incandescent and increasing the resistance in the circuit. The same effect is produced by the device shown in fig. 44. in which the axial electro-magnet a.[6] has a suspended core; as the electric current increases the core is drawn into the helix and the pulleys 50 and 51 turned so as to lengthen the strip of foil a.

Fig. 45. shows a cylinder of platina foil a. as the light giving material.

Fig. 46. shows a magnet a.[7] in the wire between 1. and 2. When the spring f. touches 2. the current passes through the magnet and its armature closes a metallic circuit that divides the electric current so that it does not all pass through the foil.

In fig 47. the lever f. as it descends comes into successive contact with the yielding points 56. and the current passes more freely from 1 to 4 in proportion as the one or more of the resistance coils may be

short circuited by the lever f.
When the electric force is generated by an magneto electric machine it is important to regulate the speed of the machine in proportion to the strength of current, so as to prevent injury to the machine when the electric lights are extinguished. I effect this either by an index or galvanometer at the central station to denote to the engineer the strength of the current so that he can regulate the machine, or else a governor is employed to throw in resistance or to short circuit the electric current.

I claim as my Invention,

First. The combination with an electric light of a thermal circuit regulator to lessen the electric action in the light when the maximum intensity has been attained, substantially as set forth.
Second. The combination with the electric light, of a circuit closing lever operated by heat from the electric current or from the light, and a shunt or short circuit to divert the current or a portion thereof from the light, substantially as set forth.
Third. The combination with the electric light and a resistance of a circuit closer operated by heat and serving to place more or less resistance in the

circuit of the electric light, substantially as set forth.

Fourth. The combination with an electric light of a diaphragm operated by the expansion of a gas or fluid in proportion to the temperature of the light to regulate the electric current substantially as set forth.

Fifth. The combination with a vibrating body similar to a tuning fork, of mechanism for maintaining the vibration, and magnets, cores and helices, whereby a secondary current is set up, so as to convert mechanical motion into electric force or the reverse, substantially as set forth.

Sixth. The combination with electric lights substantially such as described, of means for regulating the electric current to the same, in proportion to the heat evolved in the light, so as to prevent injury to the apparatus, substantially as set forth.

(Patent No. 218,166 Aug. 5, 1879)
Magneto electric machine

J. Kruesi
M. M. Force

Fig. 1.

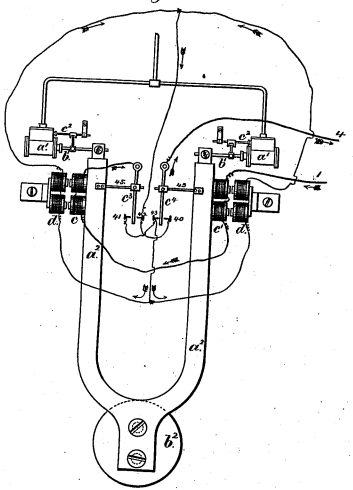


Fig. 2.

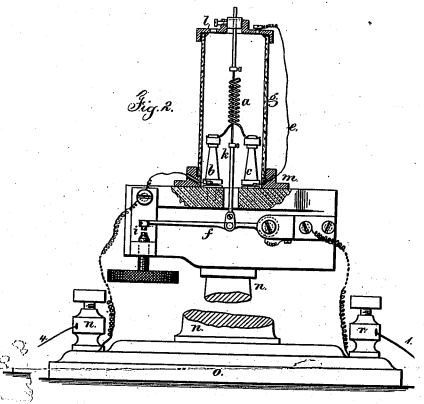
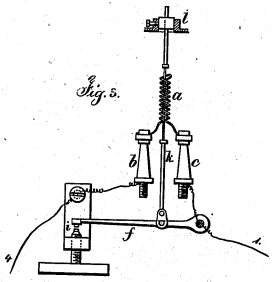


Fig. 3.



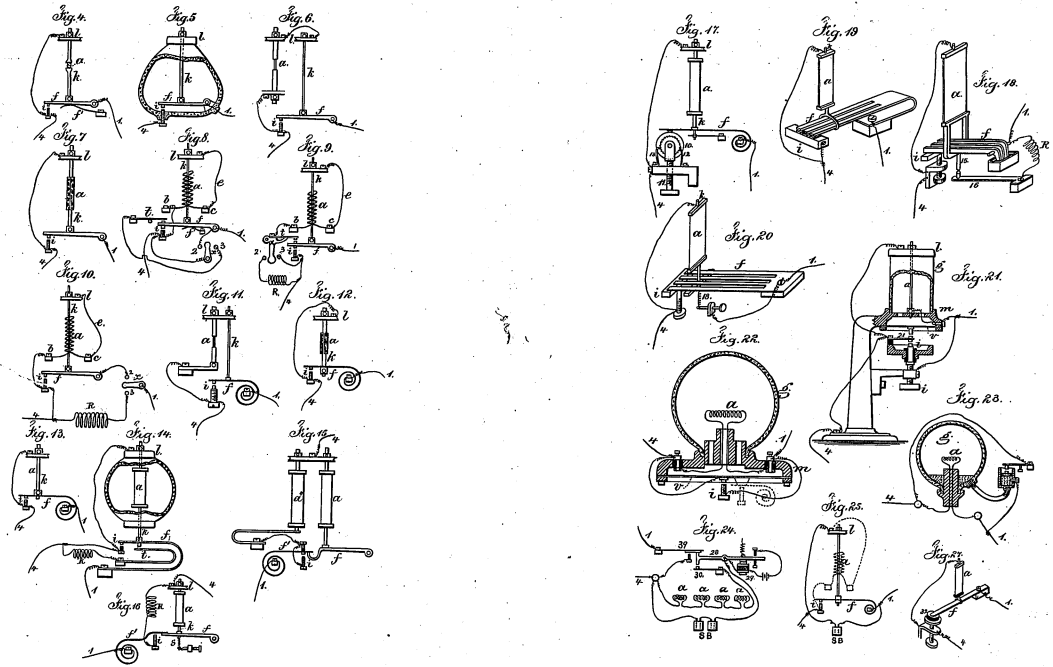


Fig. 4.
Fig. 5
Fig. 6.
Fig. 7
Fig. 8.
Fig. 9.
Fig. 10.
Fig. 11.
Fig. 12.
Fig. 13.
Fig. 14.
Fig. 15.
Fig. 16
Fig. 17.
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Fig. 22.
Fig. 23.
Fig. 24.
Fig. 25.
Fig. 27.

Fig. 28.

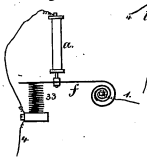


Fig. 29.

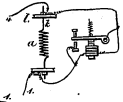


Fig. 30.

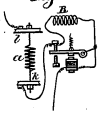


Fig. 31.

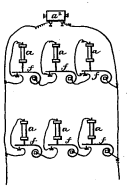


Fig. 32.

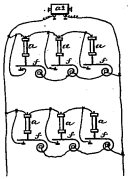


Fig. 33.

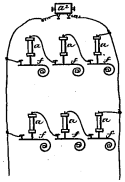


Fig. 34.

Fig. 35.

Fig. 36

Fig. 37

Fig. 38

Fig. 39.

Fig. 40.

Fig. 41.

Fig. 42.

Fig. 26.

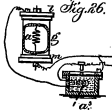


Fig. 43.

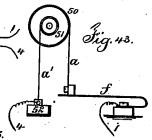


Fig. 44

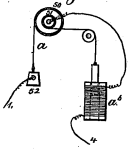


Fig. 45.

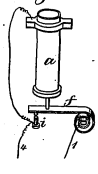


Fig. 46.

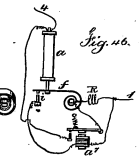
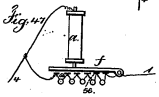


Fig. 47



I, Thomas Alva Edison of Menlo Park in the State of New Jersey, United States of America, do hereby declare the nature of the said invention of improvement in Telephones, and apparatus employed in Electric circuits, to be as follows:-

In this apparatus I make use of a plate or body against which the sound waves in the atmosphere act and connected therewith is a button or buttons of carbon or other semi conducting material placed in the electric circuit. The pressure due to the impact of the sound wave acts on the carbon and produces the rise and fall of electric tension in the circuit.

The circuits are arranged to bring into action one or more primary and secondary currents and an induction coil or coils and switches and a call, so that signals can be sent and messages transmitted in opposite directions over one line. The receiving instrument is provided with an electro magnet and an armature

formed of an iron plate diaphragm, and a hammer is attracted or repelled so as to strike upon the diaphragm to form a call, and a stand is used to keep the telephone instruments in proper position for the call to act. –

Two or more vibrating instruments connected in the same circuit and operated by electro magnets are thrown out of the circuit by a shunt and act to give signals in two distant instruments provided with diaphragms. I employ a condenser in the local or main line circuit to neutralize the static charge or discharge which condenser is preferably made of ~~the~~ two strips of foil wound into a spiral form with non-conducting material intervening and to which strips the respective circuit wires are connected. –

The carbon employed in the circuit is preferably the finest quality of selected lamp black, consolidated by heavy pressure,

but plumbago and various forms of carbon or iodide of copper, black oxide of manganese finely divided metals peroxide of lead, or similar semi conducting materials reduced to powder and moulded in buttons or disks may be employed. –

The induction coils serve to throw into the line a powerful induced current, and in some instances I employ a battery connected with the line and balanced so that the sound waves acting on the carbon or other resistance cause either the positive or negative of the battery to preponderate on the line. The condenser introduced in the same circuit both static and induction currents. Fine wire may take the place of the strips of ~~the~~ foil in the condensers

Where the air waves strike upon a vibrating plate or disk the change of pressure upon the carbon may be obtained from a thin strata

(3)

of air intervening between the diaphragm and the platina plate of the carbon.

A magneto electric machine is sometimes used as the source of electric energy in place of a battery and the telephone instrument placed in the Wheatstone bridge and place resistances to balance the electric forces so ~~as~~ that variation of the resistance in the telephone sends the current on the line.

Telephones in local circuits or shunts at way stations with induction coils in the main line are used for operating local telephones on the main line. —

The sound vibrations act by leverage upon the carbon or other resistance to increase or lessen the motion as circumstances require. —

A secondary battery in some cases is employed in place of a condenser, and a thermal battery

can be employed as the source of electric energy.

Where the electric current is made to pass through water or an electrolytic solution, the diaphragm acts upon a valve or cut off to vary the volume of liquid where the current passes and effect a rise and fall of electric tension.—

A Dulcce dry pile is combined with a diaphragm at each terminal for transmitting and receiving sound.—

An electrophorous similarly combined is sometimes employed for the same purpose.—

Calls are combined with the telephone so as to attract attention to the instrument.

These calls are operated by pendulums, forks, or reeds which set up magnets electric currents when vibrated and from these the bell or other call receives its movement from the distant station.—

The receiving portions of the telephone are of a character adapted

[5]

to respond to the electric pul-
cations from the transmitting
telephones aforesaid. Sometimes
there are two or more receiving
diaphragms & one air chamber
to augment the sound. —

It is important to use a
damper upon the diaphragm to
prevent false vibrations.

Mercury globules receiving mo-
tion from the electric action are
sometimes employed to actuate
the receiving diaphragm, and
the magnet of the receiving
diaphragm is polarized with
a local battery and double
coils. —

A diaphragm connected directly
upon the induction coil will
respond to the electric waves
and give audible sounds. —

In place of flexible wires for
the telephone connections ~~cord~~ wires
with universal joints are preferable.

Long funnels are used with the
telephonic receiver to increase
the volume of sound.

The expansion or contraction

of gases and other materials by change of temperature or hygro-metic condition are employed to vary pressure upon the carbon button or disk between its two platina armatures, and a galvanometer in the circuit by its move-ment indicates with the greatest and most absolutely certain accuracy the extent of the dis-turbing cause that is exerted on the carbon.

The galvanometer may be wound differently or placed in a Wheatstone bridge. —

Induction coils are made of ~~powwow~~ forms especially adapted to the telephone apparatus, and the condensers are sometimes connected in a continuous metallic circuit. —

Copy of 20
Prov Telephone in
England

Bell Company

File Eng & Tapella

Interference M.

Case 141.

Interference M

Application of Thomas A. Edison No 141.
Improvement in Speaking Telegraphs
Filed July 20. 1877.

In Interference with App of	Filed	Attorney
Emile Berliner	June 4. 1877	Jas S. Morris Wash.

Preliminary Statement due May 6. 1878
Time extended for " " to Oct 1. 1878

Subject matter of Interference

In a telegraphic apparatus operated by sound, the combination with the diaphragm of one or more contact points of plumbago or similar inferior conductor in the electric circuit, whereby the rise and fall of electric tension is proportionate to the pressure exerted upon the said point, or points by the diaphragm (Edisons 3rd Claim)

This is described in Berliners application.

Case 141

Fig. 1.

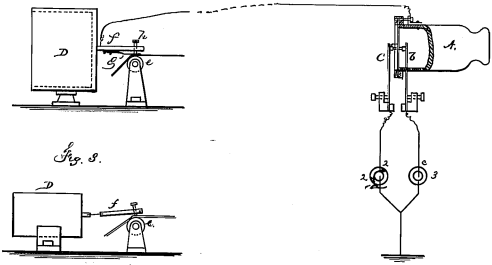


Fig. 3.

Fig. 4.

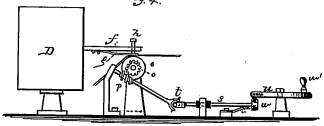


Fig. 2.

Thomas A. Edison. -
Impt. in Speaking Telegraphs. -
- Case No. 141. -
filed July 30th 1877. -

Copy of Claims. —

1st. In a telegraphic apparatus operated by sound, the combination with the diaphragm or tympan of two contact points in the electric circuit adjacent to the opposite surfaces substantially as set forth.

2nd. The combination with a diaphragm in a telegraph operated by sound, of two contact points at opposite sides of the diaphragm and opposing battery connected in the electric circuit substantially as set forth.

3rd. In a telegraphic apparatus operated by sound, the combination with the diaphragm of one or more contact points of plumbago or similar inferior conductor, in the electric circuit, whereby the rise and fall of electric tension is proportionate to the pressure exerted upon the said point or points by the

diaphragm, substantially as set forth.

4th In a telegraph apparatus operated by sound, a receiving instrument provided with a resonant surface, in combination with a frictional surface, moved by power and acting in connection with the electric current to vibrate such resonant receiver and produce tones corresponding to those at the transmitting apparatus substantially as set forth. –

Thomas A. Edison
Inpt. in
Speaking Telegraphs.
"Case 141"

Interference M

The principle involved in this application was discovered by me in April 1873 at which date I constructed a resistance box for an artificial cable wherein tubes of plumbago were used to give resistance. It was with this apparatus that I discovered that plumbago varied its resistance by pressure. This property I applied to Telegraphy about from which time I have been constantly experimenting without intermission by the aid of several assistants and workmen and have produced a practical instrument now largely in use.

1878. Phonograph - General (D-78-029)

Correspondence, some by Edison; agreement.

Not selected: duplicate copies of correspondence.

This agreement entered into this twelfth day of January eighteen hundred and seventy eight by and between Thos A Edison of Menlo Park Middlesex Co state of New Jersey and Daniel M Somers of Brooklyn — County state of New York and Henry J Dams of Brooklyn County state of N Y — Witnesseth,

Whereas the said Edison is the inventor of a new method for recording and reproducing therefrom the human voice and other sounds by causing such sounds to vibrate a mobile body the movements of which are recorded by indentation, displacement substitution from or deposit upon any material and the reproduction of the movements of such mobile body by causing its record or a copy thereof to give motion to another or the same mobile body for which he did apply for a patent in the United States patent office December 15th 1877. and

Whereas the said Somers and David, acting together and not separately are desirous of applying the Phonetic ~~[illegible]~~ apparatus of the said Edison to Clocks and Watches, to cause such Clocks or watches to call out in articulated words the time at certain intervals and to produce a sound or articulate a sentence for calling attention to some

particular time, such apparatus ~~which shall be capable of~~ actuated either from the clock or watch movement itself, or from a subsidiary movement placed within such clock or watch ~~and for no other purpose and~~ ~~Thus~~ such artificial words and sounds being solely adapted to replace the striking alarm movement in clocks and watches.

Therefore be it agreed that for and in consideration of the sum of one dollar in hand paid to the said Edison by the said Somers and Dami the receipt of which is hereby acknowledged and for other and further valuable considerations and agreements hereinafter mentioned the said Edison grants to the said Somers and Dami jointly but not individually the sole and exclusive license and right to manufacture or cause to be manufactured to apply or offer and sell within the United States of America only ~~for~~ for consumption or use within the United States only and not for export to any foreign country the invention of Edison herein set forth when applied to clocks and watches for the purpose specified, but for no other purpose whatsoever, which license and right and this contract is to continue for a period

of five years from the date hereof provided however. that the said Somers and Davis, ~~[illegible]~~ reasonable diligence in applying such invention to Clocks and watches or clocks alone, and endeavor to establish a permanent business for the sale of such apparatus in the Connecticut mentioned, and shall make true & correct returns under oath on or before the fifteenth day of each and every month to the said Edison of all sales of such apparatus during the previous month ~~[illegible]~~ for such application, and shall pay ~~[illegible]~~ to the said Edison ~~[illegible]~~ Davis ~~[illegible]~~ ten per cent ~~[illegible]~~ of the net selling price ~~[illegible]~~ which shall not be less than $\frac{1}{2}$ cents for each clock and $\frac{1}{2}$ cents for each watch ~~[illegible]~~ payable on or before ~~the fifteenth day of the month following such sales.~~

It is expressly agreed and understood by the said Somers and Davis that nothing in this Contract shall be construed to give them the ~~right~~ said Somers & Davis any right to manufacture or caused to be manufactured or sell or grant to others any rights to sell or manufacture any apparatus embodying the invention of said Edison except when such apparatus is applied to Clocks or watches aforesaid, only for the purposes specified

It is further agreed that if the said Somers & Davis fail to render to the said Edison monthly statement of all sales, or apparatus manufactured or caused to be manufactured for each and every month during the continuance of this Contract as herein provided or fail to pay the sums due the said Edison for royalty at the periods herein mentioned or if the total sum paid the said Edison on account of royalties shall be less than three thousand dollars in each and every year (Commencing one month from the date hereof) then the said Edison shall have the right to terminate this agreement and all rights under it upon giving three months previous notice in writing to the said Edison may and shall cease and grant to any of this party or parties or Corporation or persons to manufacture the said apparatus

It is further provided that after the expiration of the Contract it may at the option of the said Somers & Davis be extended from year to year thereafter provided all the provisions have been carried out in good faith and the royalty paid said Edison has not been less than three thousand dollars in the year previous to the date of the expiration of the contract to be extended.

It is further agreed on the part of the said Somers & Davis that they will not transfer their contract to any other person or persons without the consent in writing of the said Edison and that they shall not grant licenses or right to manufacture to

It is further proposed that the first payment ~~from the date hereof of the~~ be excluded from the period in which the said Edison is to have use of three thousand per year is to be calculated for a period six months after the date of this agreement to allow the said Edison & James to experiment apply and create a trade in such apparatus

X. of Russell Cutler must pay with $5.10 name in person of R. —

any other party, but in case of death of either said Jones or Graves the survivor or his heirs or executors may continue the business herein referred to upon the terms herein set forth —

It is further agreed that the said Edison will grant & convey & grant to the said ~~Russell~~ Armens & Davis the right & license to use & sell the original Matrix to make dies, electotypes, or castotes to be made from the records produced by such machine, for the purpose of multiplication of such records to be used with the ~~[illegible]~~ & these machines & C. be used for no other purpose

In witness whereof we have hereunto set our hands & seals

Chicago, Jany 8 1878

T. A. Edison Esq.
Menlo Park, N. J.

Dear Sir:

I notice by the papers that you have exhibited the Phonograph to Prof. Orton and others with great success. Have you made any considerable improvements since I left. What is the reason?

Respectfully,

Geo. H. Blake

E. M.

(Press)

AMERICAN DISTRICT TELEGRAPH CO.

OF THE DISTRICT OF COLUMBIA.

Messengers, Police, Fire Department and Family Physician summoned instantly.

Principal Office, N. W. Cor. 10th and F Streets.
Auxiliary Offices at { The Arlington, McClintock's Express, 485 Penna. Ave.

WASHINGTON, D. C. Jany 15th 1878

Thos. A Edison Esq
Menlo Park
N.J.

My dear Al

If I had a good working phone here and the privilege of forming a Co to operate it in the W.S. for all other purposes than clocks, watches & children's toys. I feel satisfied that I could do it for any reasonable amt to be put up & perhaps a bonus besides. If you conclude to let me do it

7

AMERICAN DISTRICT TELEGRAPH CO.

OF THE DISTRICT OF COLUMBIA.

Messengers, Police, Fire Department and Family Physician summoned instantly.

Principal Office, N. W. Cor. 10th and F Streets.
Auxiliary Offices at { The Arlington, McClintock's Express, 485 Penna. Ave.

WASHINGTON, D. C.

Send me full authority and hurry up a phone by before the time you promised if you can & I'll scatter myself here broadcast

If in the meantime you have been obliged to close a contract with Mr Pender which would preclude this wont you put in a word to him in my behalf in case that Mr Blair does not respond – has he replied to the note sent Friday or did you send the duplicate as

3

AMERICAN DISTRICT TELEGRAPH CO.
OF THE DISTRICT OF COLUMBIA.

Messengers, Police, Fire Department and Family Physician summoned instantly.

Principal Office, N. W. Cor. 10th and F Streets.
Auxiliary Offices at { The Arlington, McClintock's Express, 485 Penna. Ave.

WASHINGTON, D. C.

as you promised -
Thy say distance lends &c
but Al you can do me a
great deal of good & I hope
you wont forget me if I am
out of sight - Washington is
a tough job but I have it
& will hang on to it until
I get something better & if
I do keep it I'll show
them a thing or two.

I have secured 2 new
patrons in the two first
2 days & I feel sure have
planted seeds for 50 more
which must come if I remain

4

AMERICAN DISTRICT TELEGRAPH CO.
OF THE DISTRICT OF COLUMBIA.

Messengers, Police, Fire Department and Family Physician summoned instantly.

Principal Office, N. W. Cor. 10th and F Streets.
Auxiliary Offices at { The Arlington, McClintock's Express, 485 Penna. Ave.

WASHINGTON, D. C.

Do try & send phonograph
before threading work if
you can and also a little
supply of tinfoil & charge
any actual outlay you incur
to me & I will take pleasure
in paying it. Yours of Dec 2
I enclose for your perusal
& destruction. I would not
tell the truth if I pretended
that I was not disappointed
but if you can honorably
squeeze me into that thing
do & I'll work like a Hatter
for you and MacKenzie?
Kind regards to Mrs the Babies
Butch & Adams - write soon to

Yours Sincerely
D. McNeas Jr.

South Orange N. Jersey
January 15th 1878.

My dear Mr Edison;

Ever since my return home your marvellous invention has so occupied my brain that I can hardly collect my thoughts to carry on my work. The results are far reaching (in science), its capabilities are immense. I cannot express my admiration of your genius better than by frankly saying that I would rather be the discoverer of your talking machine than it has made the ~~[illegible]~~ discovery of any one who has worked in Acoustics.

Professor Wright of Yale College and I are engaged on a work on Physiology. I am senior in the work. It is our desire and ambition to introduce into it all really worthy American work. Hitherto we have depended in our college instruction entirely on foreign works such as Gerhard, Dickeland, &c. In Gerhard, the work most used in this country, the only mention of American work is a short account of one of my discoveries – which I evidently think is far inferior to many – very many – researches and discoveries of my countrymen.

I am now writing the part of the work on sound and

A. M. Mayer

Jan. 15. 78

nothing could give me greater pleasure — if it meets with your approbation — than to give a through account of your invention in our work on Physics.

I wish to photograph the instrument for our expense, and I also wish several of the records engraved to accompany it.

I have devised a method which will, I think, give the elevation and depression of the tracer to $\frac{1}{10000}$ in.

To give a clear account of the invention I must experiment with it — for, as no one knows better than you, one cannot really understand an apparatus or new experiment or apparatus until he has drilled his hands & head to perform the experiment, & make the

circumstances away I not ask the favor that you will receive from me an order for one of the new cylinder machines now making with the heavy fly wheels. Surely there are in the country who can appreciate your great invention more than I.

I would like the instrument at as early a day as possible because I want a number of experiments before I write about the instrument in my book. If I can possess myself the instrument then I can write it showing it right. I need not say that I shall be happy to do you whenever you will give me the pleasure of seeing you at the Stevens Institute

With the highest esteem
Yours very respectfully
Alfred M. Mayer

[January 16, 1878.]

My dear Mr. Edison!

Next week or the week after I send a book on "Sound" to the Press to be published by D. Appleton & Co. May you permit me on Saturday morning next to bring a draughtsman to Menlo to make a drawing on wood of the Phonograph for publication in the my book. Answer direct to Yours truly, C. Abbe, Hoboken N.J.

DONEGAN & REILLY,

Coppersmiths, Plumbers, Steam and Gas Fitters,

BRASS FOUNDERS AND FINISHERS,

Nos. 229 and 230 WEST STREET,

New York, Aug 28 1878

Mr. Thos. A. Edison

N.J. Sir:

Yours of 16th inst received. The brass cylinders were delivered at 30 Newchurch St with bill today. Trusting that you will find them all right and satisfactory, yours for further orders we are

Yours &c

Donegan & Reilly

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

The rates of this Company require that all messages received for transmission, shall be written on the Company's blanks of the Company, under and subject to the conditions printed thereon, which conditions have been agreed to by the owners of the following messages.

WILLIAM ORTON, Pres't. } NEW YORK
A. B. BREWER, Sec'y.

Dated January 25th 1878

Received at Menlo Park

To T. A. Edison

Please dont fail to protect me as much as possible in the phonograph when you have one

sig Geo Bliss

17 paid

Saratoga, Sunday
(Jan 31st)

T. A. Edison, Esq.

Dear Sir,

Last night I lectured before a vast audience of the most cultured peop. in America in this place; for many of our most distinguished men have residences here. I will send you the newspaper account of my lecture.

On returning to my Hotel I find a pitiful little article in the "N. Y. Times" to say that a Mr. Edison's invention, the Phonograph, was exhibited after an entertainment and people were much amused. Oh lord!

Remember this — I do not care who has the Phonograph for exhibition — society is like a cat: back you can stroke upwards with difficulty, but stroke downwards with the greatest ease. If you allow your phonograph to start with a little penny peop. show of a salute like that, you will kill it in its infancy and it will grow up weak & ~~pitiful~~ ~~like~~ as the Electric Pen that has to fight with a penny boat like the Papyrograph for a bone of public favor when it should feast on the riches of the world. I would have given this new babe of yours a royal salute from the throats of a hundred big guns of Newspapers.

But it is over! I suppose I am to take this sign as that you have determined not to let me exhibit the Phonograph. Well I can only say I wish you well with it. I am sorry for Bliss' sake that you did not let me know earlier your intentions, as I have been round here at great loss waiting your

Boffs Bigsby

dear sir -

To say I am disappointed would be to put it in small terms, but it would only be insincere to say I am surprised. You are naturally a very good natured fellow and your heart prompts you to say "Yes" while your head, like the head of a genuine, turns to the first word that blows "No." If I had gone up to you and pestered your life out with importuning you would have let me have one of your Photographs and we should both have coined money. You think that you can do better with small people. "As oaks from little acorns grow" etc - But let me tell you you might just as well plant an acorn in a flower pot, as send a man with no literary reputation out with your wonder. That I am not godfather to your last mental babe I am sorry. You ought have done worse. Perhaps I did not offer you enough? Conscience! I could not do more - half the receipts I should have given about four sovereigns a day in the Hotels with short half hour talks on "how we talk" and an exhibition of the Phonograph at $1.00 such just coined money. I am literally crippled with poverty hanging about here. So just cut my head off with one stroke of your pen and address

Prof Bernard Bigsby,
Hudson,
N.Y.

I suppose I shall be done out of my biography by some Mr Jenkins or Sarsok. or Johnson or other!

Yours cordially
B. Bigsby.

W. E. Dodge Jr. Pres't. S. P. Cowles Vice Pres't.

The Ansonia Clock Co.

Nos. 19 & 21 Cliff Street.

A. A. Cowles, Secy & Treas. H. J. Davis, Gen'l Supt.

New York Feb 5th 1878

Mr Edison

Dear Sir,

By Engineer I forward you the Steel Alm Clock for the Phonograph to be tested — also the instruments you required —

We have been very busy experimenting at Ansonia and the latest advance made is to put the point directly on the diaphragm. — then by shifting round you can indent the Brass roller itself — We hope in few days to be able to arrive at something definite.

Have you it upon any thing yet if so should be glad to hear from you — I have not

From the old gentleman that has the composition you spoke to me about — if not troubling you too much should be glad of your kind please drop him a line by Friday I wish to see if commenced —

I am leaving town to night for Boston will return Friday morning and should you be in N.Y. Saturday please call at the Office —

Yours very respectfully
Thos J Davies

Thomas Davies
July 6 '78

College Hill Mass. Feb 6th

Mr. Thos. A. Edison

Dear sir - I have made arrangements to exhibit your promised Phonograph at a number of places in the vicinity, at Harvard College etc, if I can have it in season for the next meeting of the American Academy of Sciences meeting in Boston on the 18th instant, I will exhibit it there, a good many of the members are very anxious to see it.

Yours truly

A. E. Dolbear

C J Brooks
Oct. 11, 1878

Boston
Hotel Berkeley
Febr. 11. 1878

My dear Sir,

Your very kind answer to my question came duly to hand. I am very much obliged for the information which it contains and for the mention of the opinion of Prof. Mayer, from whom I should be glad to hear further on the subject.

I am at present experimenting on the hygrographic values of consonant sounds and wished one of your instruments to use both in connection with these experiments and furthermore to test its applicability as an assistance in diagnosis

in some cases of disease of the larynx. For this purpose one of the smaller polyscopes wd be at present sufficient, and I shall communicate with Mr. Chance as you suggest.

I shall take pleasure in informing you of any results attained, especially if you can find them of service to yourself.

Very truly Yours
Clarence J. Blake

[Dr. Clarence J. Blake was the man who made the hearing aid for Alexander Graham Bell.]

Stevens Institute Hoboken
New Jersey

Feby 14. 1878

My dear Mr Edison;

Your letter of yesterday and of to-day received – I will embody results in the article; which I think you will like. It will be illustrated with about 15 cuts. It is, of course, of a popular character.

Your letter to-day enclosing sketch of mirror is just what I am now contemplating. The mirror and scale is an old friend of mine and a device similar to those described I have used for a long

A. M. Mayer.
Feb. 11, 78

time in testing the cylindrical lens of cylinder.

The advantage of a direct-mechanical method of agitating and magnifying the camera is that you can, in examining the plates, see when a negative to get photographic impression.

I will ~~[illegible]~~ come out on Sunday next on the 11th at 11 a.m. If you will not then be at home let me know.

Yours truly

Alfred M. Mayer

☞ To prevent loss, please make remittances by DRAFT, POST-OFFICE ORDER or REGISTERED LETTER. ☜

L. G. Tillotson & Co.,

Manufacturers, Importers and Dealers in

Railway and Telegraph Machinery and Supplies,

Car Upholstery and Trimmings of every description,

L. G. TILLOTSON. } E. S. GREELEY. }

No. 8 Dey Street,

P. O. Box 1714.

New York, Feby 27 1878

T. A. Edison Esq
Menlo Park N. J

Dear Sir
One of our friends wants to buy 2 Phonographs to play with. Do you ever sell them? If so please say what you will furnish him two for all complete ready to "talk back"

Yours Truly
L G Tillotson & Co
Per M W Goodyear

54 East 49th St. N.Y.
Feb. 22nd 1878

Mr Thomas A. Edison,
Dear Sir,

You were very kind last night in offering to send me one of the tin foils that has been used on the Phonograph and tell me what is on it so that I can explain it to my class at Tarrytown in my next lecture.

It was a very rare treat for me to witness the exhibition of the Phonograph last evening. I don't know of any thing in the line of scientific illustration that has ever given me

such intense satisfaction.

I wish to tender to you my sincere thanks for your kindness in explaining to me so minutely the construction & working of the Telephone and Phonograph.

I am a student of the sciences myself and expect next Summer to visit the Paris Exposition and then remain two or three years in Europe for scientific study at the leading Universities and it is very gratifying for me to be able to take with me such accurate knowledge of these two most marvelous inventions of the age and

I shall feel a great pride in pointing our European friends to these wonderful results achieved by one of my own countrymen.

I admired the Telephone exceedingly when first I heard it and thought it one of the most marvelous inventions of the age; but now that I have seen and heard the Phonograph I can find words to express my admiration and wonder at this remarkable triumph of inventive genius.

Again thanking you for your kind offer to send me one of the tin foils by mail I am

Yours truly, Albert C. Hale

54 East 14th St. New York City

Executive Office

Western Union Telegraph Company

Norvin Green Vice Prest. New York February 23 1878

My dear Sir,

A number of my friends have expressed to me at different times their great anxiety to see the "Phonograph", which I have been telling them would probable soon be visible at the office again. Will you kindly inform me when, if at all, you propose to have it here again, so that I may be able to satisfy their great desire to see what a good many of them do not yet, in spite of the evidence, quite believe in.

Very Truly Yours

J. O. Green

Mr Thos A. Edison

Menlo Park

N.J.

J H Vincent
Feb 28
Phono

Plainfield, N.J. Feb. 25. 78

My dear Prof. Edison:

Would it be possible for Mr. A. M. Knowlson (druggist & scientist) of Troy, N.Y. to hire for a week or two one of your Phonographs? If possible please drop him a line. I inclose an envelope addressed to my brother who has made the request in behalf of Mr. Knowlson. Please send your answer in it.

Now as to the name of your instrument — it should be a "Tautophone" and not a

"Phonograph": It is more than a writer or recorder — it is a respeaker of sound. I intend to write an article on the Tautophone. What do you think of that name?

You are down for Chautauqua Aug. 3–22.

Yours Sincerely

J. H. Vincent.

60.

N.Y. Feby 27. 1878 -

T. A. Edison Esq -

The Phonograph - long may it wave - is returned to the Sun office -

With very many thanks

Yrs truly

G. L. Wiley -

PLAINFIELD, N. J. FEB. 27, 1878.

DEAR MR. EDISON:

YOUR LETTER OF THE 26 TH. HAS BEEN RECEIVED. I DO NOT THINK IT IS TOO LATE TO CALL YOUR INSTRUMENT A "TAUTOPHONE." I AM ABOUT WRITING AN ARTICLE FOR ONE OF MY PAPERS, AND SHALL CALL IT THE "TAUTOPHONE." I HOPE YOU WILL SO INSTRUCT MR. JOHNSON, AND TRY TO CHANGE THE MATTER IN THE PATENT DOCUMENT. DONT FORGET CHAUTAUQUA. I WANT YOU TO BE THERE WITH ALL THE MARVELS OF ELECTRICITY WHICH YOU CAN EVOKE AND EXHIBIT.

VERY SINCERELY YOURS,

J. H. Vincent

T. A. EDISON Esq.

Chicago, FEB. 27TH, 1878.

T. A. EDISON ESQ.
MENLO PARK, N. J.

DEAR SIR:

D. H. LOUDERBACK WANTS TO GET THE PHONOGRAPH TO EXHIBIT AT PHILA AND VICINITY. HE SAYS YOU HAVE BEEN WRITTEN TO ABOUT THE MATTER..

IF YOU CAN SECURE THIS CONCESSION I SHOULD LIKE VERY MUCH TO HAVE IT DONE. HE HAS WORKED LIKE A BEAVER FOR THE PEN THIS LAST YEAR IN A VERY DIFFICULT FIELD AND HE OUGHT TO BE ENCOURAGED.

I BELIEVE HE WILL DO YOU MORE GOOD THAN MOST ANY OTHER PARTY. PLEASE LET ME KNOW WHAT YOU CAN DO FOR HIM IN THE MATTER.

NOW ABOUT AGENCIES FOR THE PHONOGRAPH --- YOU WROTE ME I WAS TO HAVE A CHANCE TO SELL IT. I HOPE IT WILL BE ARRANGED FOR ME TO WORK AS MUCH TERRITORY AS POSSIBLE. PLEASE WRITE ME WHAT STEPS TO TAKE TO GET A CHANCE TO SELL. I SHOULD LIKE TO COMMENCE AS SOON AS POSSIBLE AS I DON'T WANT TO BE CUT OUT WHERE IT CAN BE HELPED BY PROMPT ACTION.

RESPECTFULLY,

Geo. H. Rice

GEN. MAN.

Feb. 27

Message from Chicago Ills
to T. A. Edison N.J.
Loudenbach is crazy to be agent
for the Phonograph give him a
helping hand

Sig Geo. H. Bliss.
Genl Agent

16 paid

Pennsylvania Rail Road Company,
Philadelphia and Erie Rail Road Division.
Superintendent's Office (Eastern Division)

Thos. Lowder,
Supt. Eastern Division.

Williamsport Pa. Feby 28 1878

Thos A Edison
Dear Sir
How soon will you have
your Phonographs ready for
Sale. what is the probable
system you will adopt for
their Sale. the question is asked
me daily & by reply I can
give them some answer —
Please reply fully

Yours Truly
Thos Lowder
Supt Opr

Say M. E. D. M. T. S PRRR
That the phono has been placed
in hands of an Co officer here
Mr C. A. Cheney is at present
the agent & that C. he will
probably be a C. to furnish
the necessary information

A.H. Dale
Feb 28. 98

54 East 49th St. N.Y.
Feb. 28. 1878.

Mr Thos. A. Edison

Dear Sir:

The foils were received in due time for my lecture & were very serviceable in my efforts to describe the phonograph. Many thanks for your kindness & allow me to enclose stamps to cover the postage paid by you.

May I suggest what seems to me might be an improvement in one particular in the construction of the phonograph? Would not a glass, or porcelain

funnel, or possibly
one of earthen ware be
better than one of metal
which you have now.
Is ~~an~~ intensity of the sound
given out by the in-
strument? It seems to
me it would at least
avoid that harsh me-
tallic sound which the
instrument gives to the
words now.

Respectfully
Albert H. Hale

Mr E directs me to say
that he has now attained
perfect reproduction —
& that your suggestion of a
porcelain funnel is good.
He will try it and thanks you
for the suggestion.

39 West 32nd St
New York
Mar. 2nd 1875

Mr Edison
My dear Sir
I am to give a lecture on the Voice and the Ear, for the benefit of the New York Ear Dispensary and I am very anxious to exhibit your speaking phonograph, but I am afraid that it will be impossible to obtain one from Mr Murray to whom you referred me and Prof Allen when we visited you yesterday. I therefore write to ask if it would be possible for me to

borrow me from you for a day or two, in order to exhibit it to a large and influential audience? I would be delighted to have you present at the lecture, so that you could judge for yourself how I put the instrument before the public. Please let me know as soon as possible what you think of the matter. I should like to suggest some experiments which I am sure will effect improvements in the making of the instrument, but as I am obliged to leave the city, in a few days I would wish to know about making use of the phonograph before I leave.

Franklin Institute
Philadelphia
Dec. 1st 1878.

Dear Sir
Yours truly
Thomas A. Edison
Menlo Park N.J.
Dec. 1st 1878.

Chicago. MARCH 4TH 1878.

T. A. EDISON ESQ.
MENLO PARK, N.J.

DEAR SIR:

YOURS ABOUT CHARLEY AT HAND.

IF ANYTHING CAN BE DONE FOR ME ON THE PHONOGRAPH AGENCY GET IT IN READINESS SO THAT WHEN I COME DOWN ABOUT THE 10TH IT CAN BE CLOSED. I SHALL BE IN A HURRY THIS TIME.

RESPECTFULLY,

Geo. W. Reiss

GEN. MAN.

Stevens Institute of Technology,

HOBOKEN, NEW JERSEY.

March. 6. 1878

My dear Mr Edison;

You must not infer from my not having written to you that I have been unmindful of my promise or have not had your kindness often in mind.

I am very sensible of your attention in having given me a day of your valuable time; in showing me experiments —

As to the new-kind gearing, I have gone from one fellow to the other, and each one who knows knows some other fellow who does not know who makes it. To say however I get on the right track and will write you on Wednesday.

Dr Bond's address is 20 E. 30th St. N.Y. Office hours 9 am to 12½ P.M. He is the best author in N.Y. and being a particular friend of mine, if you mention my name he will do anything in his

power for you. Though that is hardly necessary as he knows all ~~[illegible]~~ about you and was one of my audience when I lectured two weeks ago on your Phonograph before the N.Y. Ophthalmological Society.

My article on the "Speaking Phonograph" will appear in the April no. of the Pop. Sci. Monthly.

I receive the news too late. It is good — and as analyzing the Phonograph I have obtained excellent results.

By the way can you lend me some one another, coping and point — my point has worn down almost to nothing?

I enclose a dozen of magnetized needles, all their points are N — Put two, then 3, then 4, then 5, & so on in a basin of water and bring down over them a rather large cylindrical bar magnet — The experiment will explain themselves. They will greatly amuse you & they are very suggestive.

In a few days I hope to be able to go to work again on the Phonograph, and get a series of accurately traced

New Haven
Nov 6. 78

profile of the impressions.

Now did the "dishes" photo do on the Phonograph?

Very cordially

Alfred M. Mayer

P.S. My friend Professor Rood of Columbia College is very desirous of purchasing one of your Phonographs for the Cabinet of Instrument of Columbia College. He says that he is willing to pay up to $50 for one. He desires a long cylinder & two mouths. Let me know if you can let him have one. He is an excellent fellow, and is one of the few in the country who is competent to appreciate the full scientific value of your inventions —

yr. A. M. M.

A. M. Mayer
Mar 7. 78

Stevens Institute of Technology,

HOBOKEN, NEW JERSEY.

March 7. 1878

My dear Mr Edison;

I am in receipt of your two letters. I wish to write you quite a little, but now, have only time to reply to your request. I am a most unfortunate man, I have given my word to 3 publishers to write 10 books for them within three years. This really is about as much as a man should have to do if he did nothing else than write all the time. Nothing would give me more pleasure than to prepare a book on the telephone but as you see it is utterly beyond my power – and I may add inconsistent with honesty for me to promise to do what I well know I cannot do, & that would disappoint you and injure you.

Why not do the work yourself? Mr Barnard is a literary man & could not do the work under – as when he was

associated with me — he should be constantly under your eye for directions. Mr. Lillering engagement has been as pressing that he had to give up assisting me.

The article on your photographs came out in April no. of Ph. Soc. of course my cut-down my article, these editors never know when they have a good thing. They know more the about type than science. Yet I think that you will find what they have left of my article. I had it first class illustration some of which I furnished myself — journeys cost it was impossible to get the article in the no. So I had to cut down —

I intend to send the article to Dr. Gill a Germany who then published in the best Journals. Dr. Gill is a distinguished astronomer. He would be well to give another sketch of the new Yoyat which you have just found to work so well. So let me have one.

Your truly Clayton

P.S. There is a young woman in the Institute who from what I gathered is well and you have one of the assistant work. Whether we do this young woman and this is experiment work instead of the assistant work I do not know.

Professor Newton requests to be kind enough to give this one of the small photographs.

Yours cordially
Alfred Newton

Providence R.I.
March 13 - 1878

Dear Sir,

When in New York a few days ago I tried to find you to express my admiration for the Phonograph. Today I have received a letter from Mr. Prescott saying that he has read my Providence Journal article which you sent him. You therefore receive from me in print an expression of my delight

Thos. A. Edison

Thos A. Edison
Mar 18. 1878

in your discovery.

I saw in New York a small size of Phonograph (cylinder only about 3 inches long by four inches in diameter) which I understood Mr. Edison was being constructed for sale, for private illustration; having the capacity for about one sentence, & being well made though short. If you can let me have an early one of these small instruments, able to do fair work, I should like to purchase it - if the price is within my limits. Or perhaps they may be on sale where I can ascertain their price.

In writing to my foreign scientific correspondents I have taken pleasure in vouching for the wonderful invention, & giving them to secure the credit to your & this country.

Yrs truly
Wm. F. Channing.

Mon
Mayer
Mar. 16. 78

Mar. 16. 1878

My dear Edison;

Very much gratified to know that you the floating magnet pleased you. Their mutual actions are very suggestive. The mathematicians are quite excited over the experiments with them. Some few a usual after the thing is known — say of course all that could easily have been determined from - - - - or so. Seeing Norwood is making the expts. the subject of a mathematical study.

I refuse to a membrane for the telephonograph by a piece of bladder moistened and stretched over the mouth of a vessel and allow it to dry while a blunt

Elisha Gray

point is fixed it moves. You
will then have a membrane diffused
by the connection of the ear & spring
and for attaching the part of the arm of the
a right full the automatic mechanism
intended ..

Yours cordially
Allger

Clarence Kay
March 16, 78

New York March 16/878

My dear Mr. Edison

I have called at No 20 Church street several times within the last few weeks, but did not succeed in meeting you.

I am somewhat anxious to know how you are progressing with your Phonograph, and would also like to know whether you made the arrangement with the company to retain one

machine for exhibition purposes, as you told me you owned.

I would be obliged if you would drop me a line telling me when you will next be in town so that I could talk with you.

Very respectfully
Clarence Ely

Address
Newtown Pass Club
Mole Centre Ark

B. V. Eaton Esq
Mar 16 78

Home – Mar. 16th 1878

Prof. Edison

Dear Sir

Yours postab of Mar 13 rect. I should like more definite information in regard to the Phonograph than it gives – if you will be kind enough to answer me two or three question I shall feel obliged – I know nothing of the Instrument except from a news paper notice or two. Would it be equal to the voice for delivering a lecture – yes.

What will be the cost of the Instrument – and is there any additional cost of consequence for the material used in recording a lecture say two hours in length or spoken by a

Cost may be more or less $100.

Lindy Talker -

About how soon could you furnish me with one, ~~not more than 2 months~~

I want to go to Connecticut shortly and will try to make it suit to go so as to be in New York Oct about the time that you could furnish me with a Phonograph if you can give some where near a correct idea of what time that would be -

Hoping to hear from you at earliest convenience -

Respectfully Yours &c

B. V. Eaton

(Box 50) Clinton

Allegheny Co

Penna

A. M. Bloor
Mar 17. 78

Stevens Institute of Technology,

HOBOKEN, NEW JERSEY.

March 17. 1878

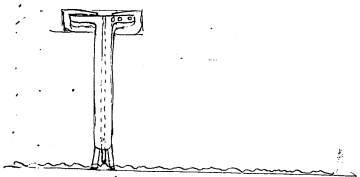
My dear Edison,

I have just sent articles on "The Sound writer who Talks" to ~~the~~ English, French and German journals of science, with three good electrotypes accompanying each for the illustration of the article.

Here is an idea of some money value and also ~~of~~ one which will give happiness, or at least pleasure, to thousands of our poor fellow beings. The idea is as far as I know, entirely my own, It is this: make books for the blind, and for those who cannot read, on sheets of metal phonographically impressed with your vibrating plate and pointed.

Guides on a frame, can readily be placed over the lines of impressions and then a stylus with a vibrating plate attached can be run over the lines of the blind person and the page will talk to him.

This represents the stalk and plate running over the chandelier and depressions in the electrified or cast page.



Is not this a capital idea?, If so could we not associate together to bring the idea into a practical shape, giving me a reasonable interest therein.

We would soon supply the [illegible] litterature for the trade.

I desire greatly to see you. [illegible], I think my idea leaves clock silk and all other proposed applications in the shade.

Ever yours faithfully
Alfred M. Mayer

The originality is with the stalk and adhesive plate by separate from the photograph and my knowledge of the plate and side of the impression. & the gentle flame for manipulation rather over the impression. — I am sure when you think of it you will be pleased.

If it would say Okay.

Paper only a piece of tissue
[illegible] to be [illegible] than
a phon it would be
impossible to keep them in
as any reader

Lake Shore Hotel,

JAMES G. BENNETT, Prop.

Ossiego, N. Y., March 19 1878

Only FIRST-CLASS House in the City.

T. A. Edison, Esq.

Dear Sir:

In a humorous article inquiring "Who are our Professors?" I see allusion made to a Professor Johnson and asking of what College or school faculty he is member and alluding in not very complimentary terms to the Phonograph. Thus I learn that you have given another what you promised me. I do not grumble at this. I only do think it very unkind of you to keep me so long in suspense. At Auburn I see anything but a pleasant result was attained.

Will you please inform me exactly how much you will charge me for a Phonograph?

B Bigsby 19.7.78

I feel very much disappointed at your treatment of me which is not generous. I suppose however your mind is too occupied to give heed to the ordinary courtesies of common life. I offered you half the proceeds of my lectures after deducting expenses.

I suppose I can buy a Phonograph. Please write me. I hardly know where I shall be but you had better direct to me at this hotel and my letter can be forwarded.

Yours,

Yours truly,

Bernard Bigsby.

H. N. Fowler, Pres't.
Clarence Sterling, V. Pres't.

Bridgeport Scientific Society.

S. C. Wells, Sec'y.
W. L. Sherwood, Corres. Sec'y.

Bridgeport, Conn. Nov 20 1878

Thomas Edison Esq
Dear Sir
Can I get some of your "voice"? An answer will be much appreciated.
Very truly yours
W. L. Sherwood

C. R. TAYLOR & Co.

TOILET SOAPS AND PERFUMERY,

500 Franklin Street,

THE PRIZE MEDAL, WORLD'S FAIR, LONDON,
CENTENNIAL MEDAL,
AND SEVEN HIGHEST AWARDS IN THE
UNITED STATES,

Philadelphia, March 21 1878

Mr Thos A Edison

Dear Sir

Although a stranger I take the liberty of adding my congratulations, to the many you have received on account of the Phonograph wonder. I am the more interested from the fact that when a younger man I owned and worked an Eccentric Engraving machine with some mechanical contrivances like yours

C. R. Hayden Esq.
Jan 1st 1878

I notice that your seal
is not durable in its
character but I will
take pleasure in furnish
ing you with a suitable
both simple and durable
also a matter of experience
in my business as an
Engraver

Yours Resp
C. R. Hayden

If you desire I will
meet you at any time
in the city

you [illegible] If you have
any material that you think would
be preferable to find please send
me a piece for trial and I will
report result [illegible] your [illegible]

EXECUTIVE OFFICE,
New York.

WILLIAM ORTON, President.
A. B. BREWER, Sec'y.

Western Union Telegraph Company,

Superintendent's Office,
Phila March 21 1878

Thos. A. Edison Esq
Menlo Park N.J.

Dear Sir,

Could you loan me a Phonograph for a few weeks, if you have one that you can spare I would be much obliged,

Yrs truly
J. Merriken
Supt

I sorry to say that Adam took to England
Every inc 9. had left setting long
Experimental one - go for Wm Johnson
He is having some made for the
Phonograph Co.

yours
[illegible]

Lehigh Valley Rail Road Co

NEW JERSEY DIVISION.

W. E. Packer, Supt.

Put in Scrap Book

Metuchen, N.J. MAR 2 1878

PAUL M. DIVER, LEHIGH VALLEY R.R. CO. METUCHEN, N.J. MAR 2 3 2 DIV. OPER'T.

T. A. Edison Esq.

Mylo Jr.

My self and few friends being very anxious to visit your place to see your Phonograph display &c. And should be pleased if agreeable, to ask you to name any afternoon next week, that we could see them.

Please wire me at Metuchen and much obliged

Common Respectfully

Write and say Paul M. Diver

Div Oper

just as soon as

our Phonographs are returned from Washington we will name a day for you to come

C F Blake MD
Mar 23. 1878

Boston
Mass Berkeley
Mar. 23. 1878

My dear Sir.

Your favor of Febr. - in answer to my letter came duly to hand. I am at present engaged on experiments in sound wave tracings with the human ear phonautograph, a continuation of my experiments with the voice in 1874 of which you may have seen an account, and which may have some interest for you or possibly be of service in your phonograph work.

I hope to have one of your phonographs at my disposal in a few days and shall be interested to compare its reproduction of articulate sounds with my own experiments directed to the study of the compound waves so produced.

Very truly Yours
Clarence J. Blake M.D.

T. A. Edison Esqr.

Pittsburg Pa
Mar 25. 75

Dear Sir -

I have had a long talk with Mr C. J. Breck, phonographer and Court Reporter, about your pho-
-nograph, and really think, as I told him, that it would be of more practical use in his business than in any other..

If your invention is correctly reported, he could read into it in the evening the Court proceedings of the day and his Scrivener could then be kept employed all the succeeding day, instead of being idle as now, while the reporter is in Court.

Will you be good enough to state whether in your opinion it would answer this purpose

and what the expense of one would be.

I am an old telegrapher myself, (commenced in 1848) and consequently feel deeply interested in this and your other inventions.

Hoping for an early reply I am, Very Respy

Yours &c
Geo E. McLain
70 Grant St

As yet the apparatus is only made for dictating into the Mouthpiece — It will become time before the machinery for reporting a witness ~~at a trial~~ personal feels from the Court are furnished

for further particulars address
Col Johnson Manag Phonographic Room 28 Tweed Bldg

C. R. TAYLOR & CO.

TOILET SOAPS AND PERFUMERY,

500 Franklin Street,

THE PRIZE MEDAL, WORLD'S FAIR, LONDON,
CENTENNIAL MEDAL,
AND SEVEN HIGHEST AWARDS IN THE
UNITED STATES,

Philadelphia, Mch. 26th 1878

Mr. T. A. Edison,

Dr. Sir,

Yours of the 23rd. is at hand, asking for the material that I proposed as a substitute for tin foil.

It is not especially a material I have to suggest, but a plan to be adapted to your Phonographic, which suggests a fields of usefulness, in addition to giving a permanent record.

In the hands of some one it will be valuable as an attachment to your marvelous Instrument.

I will consider & review my views for a few days & will communicate further. Yours Truly C. R. Taylor Jr. W.

Respectfully refered to E. H. Johnson
W. C. Mar 28/78

Respectfully refer to T. A. Edison who is advised to accept this offer with our views thereby supplying himself with some "Ideas"
E. H. Johnson
3/5/78

Sam Hill Ave. Dorchester Mass.
March 26th 1878

William H. Applebaugh. Esq.
Tribune Building New York

Dear Sir

I claim for myself that I am a good inventor, and since the publication of the Speaking Phonograph in the "illustrated papers" a number of ideas have come to me in regard to improving the instrument. I have a number of plans to intensify the tones or increase the sound and also to increase the capacity of the machine, I think I could increase the capacity of the instrument five hundred times and it would occupy a space of one sq. ft. (1 sq. ft.). Cost ten Dollars $10.

If you have an opening for a machinist I would like the chance and I might be usefull to you. I am twenty seven years old, a fair machinist.

I have ideas
Mar 26-78

and draughtsman, have a good technical and business education and make some claim as an inventor

Yours Most Respectfully
Isaac H. Davis

Your letter to Mr Applebaugh has been referred to me.
I believe that you have ideas and of practical that the Phonograph Co will gladly purchase anything valuable that you may devise.

Yo
TAE

Treasury Department,
THIRD AUDITOR'S OFFICE,

Washington, D. C., March 26th, 1875.

Send pass
about 13 cars
Big Mac W

Thos. A. Edison,

Sir:

How much surprised I am to read in different magazines and Pictorial papers concerning your wonderful invention of telephonographic machine — I feel extremely desirous to go and see you in person but I regret much that my official duties here do not permit me to do it — I think that the impressions of speech on it are visible to deaf mutes. Will you please to send me a copy of alphabetic visible speech if you can? I wish to see if I can learn how to speak — I will write to Mr Daniel D. Stelle, my brother-in-law of Franklin Park about two miles from Dean's Station about it, and to advise him to see you.

Yours Respectfully,
Isaac H. Benedict
(Disbursing Clerk.)

Please Direct to Third Auditor's Office
Treasury Department —

S R Stewart
Mar 27. 78

Your received I have tried rubber like what you send me varnish thick mix and degree of vulcanization but it doesn't answer

Yours T A Edison

Akron, O. March 25th 1878

Prof. Thos. A. Edison
Menlo Park N.J.

I hope you will excuse my presumption. You may consider me quite impertinent but I enclose a sheet of Rubber which if you feel disposed, you might try using it as a diaphragm in your Phonograph disk. Stretching it quite tight, making a regular drum-head. You will find it quite tough. I had thought of sending you a heavier or thicker piece but thought you might

try this first, if you feel so disposed.

Hoping you may take this suggestion (however unworthy) as the spirit it is given

I am
Yours Respectfully
Samt. D. Steuart

Henry J. Durkey
Ellis 28.78

A. ISELIN & CO.,
P. O., Box 918, New-York.

New-York, 28 March 1878

Dear Sir,

Mr. Morton of the Stevens Inst. gave me your address.—

I am going to Menlo Park in Levacks and would like to take with me one of your phonographs.— Would you kindly let me know if I can purchase one and where; and in that case you who could show me how to work it?

Your answer will much oblige yours respectfully,

Henry J. Durkey

Prof. Edison
Menlo Park

Stallan Eddy Room 28 Tribune Bldg or at Telephone of same bldg — who has or will soon have some simple machines for sale

119 Savin Hill Ave Dorchester Mass.
March 28th '78

Prof Thomas A Edison Menlo Park N.J.

Dear Sir

I addressed you a letter a few days ago in regard to my abilities I have a number of ideas connected with the Phonograph and I will show you a drawing of some of them if you wish they are simple, cheap, and as far as they look on paper effective, they are first a different plan for your Cylinder machine, second a machine for working one to two hundred sq ft of tin foil. third to accumulate or increase the sound,

Yours Most Respectfully

Isaac H. Davis

Write I say the Cylinder is merely the first experiment form 11 different kinds, have since been made some with sheets some with continuous rolls. you must not infer from the first experiment all machines that nothing has been done. yours T A Edison

Dorchester Mass.
March 29th

A. Edison Esq.
Menlo Park N.J.

Dear Sir.

Yours of 26th inst.
received. Thanks.

Yours &c
Grace H. Davis

J. Kennedy
Mary

Memorandum

Pittsburgh, Jul 29th 1878.

OFFICE OF THE
CENTRAL DISTRICT & PRINTING
TELEGRAPH Co.

Friend Edison,

Could you let me have the use of a phonograph for a few days? It would be a very great favor — I will circulate it to the fullest number of days that you say —

Please let me know as soon as possible, and further if possible send the Machine — If you send the Bat, please direct to me at East Liberty Station, Pittsburg, as this is my residence —

Yours truly, D. McDonald

Odyssey [illegible]

[illegible]

[illegible]

1878 - Photographs

To be arranged

OFFICE OF

WESTERN ELECTRIC MANUFACTURING CO.,

Manufacturers, Importers and Dealers in all kinds of

TELEGRAPH MACHINERY AND SUPPLIES,

HOTEL ANNUNCIATORS, BURGLAR ALARMS, ELECTRIC PENS, &c.,

No. 628 Chestnut Street,

P. H. LOUDERBACK, *AGENT.*

ANSON STARR, President,
EDW. M. BARNES, Secretary

Philadelphia, Mch 30 1878

Prof. T. A. Edison.

My Dear Sir:

Permit me to introduce to your favorable consideration Dr. La Grange of this city. He is desirous of purchasing a phonograph and learning something further about yourself and your wonderful inventions.

Any favors shown him will be highly appreciated by

Yours very truly

T. Cleland. M.D.

Prof. Edison.
Menlo Park,
N.J.

Phonograph in plaster

Answered
Apr 1. 78

Cleveland Ohio Apr. 1st 78

Thos. A. Edison Esq.

Dear Sir.

Will you kindly favor me with your Autograph on the enclosed card.

It would be thankfully received & I would consider it a valuable addition to my collection.

Pardon me for taking the liberty to ask you a few questions about your wonderful invention the Phonograph.

What are your ideas about the future use of it? Do you think it will become as much in use as the Telephone? What will

yrs -

$100

be the probable expense of them?

Will you also please send me a sheet of the tinfoil after being used in one of your Phonographs.

& greatly oblige

Very Respectfully Yours
Albert Lawrence.

49 Cedar Avenue.

Cowan send him a sheet of the foil

John Holland
MANUFACTURER OF
GOLD PENS & CASES,
NO. 19 WEST FOURTH ST.

Cincinnati, April 4th 1878

Mr Thos A Edison

Write and say that I have both a Sophie and Diamond point both of which work well but neither expensive, say that I have never tried Iridium and if he would like some pens to try it and I will send them with pleasure

Dear Sir

Pardon me for making a suggestion to You in regard to the point or indicator of Your much invented Phonograph on the use of Iridium or diamond points as they are called and which are used for printing Gold Pens.

I have some very fine large pieces on hand and if You wish I will put one on Your pointer or I will send You the Iridium and if You have Copper wheels and fine emery You can have it pointed in Your own shop.

I hope You will not look on this as a piece of impertinence as I have been interested in reading descriptions of the Phonograph I noticed that each writer mentioned the difficulty You are having with this little matter and as I have the ~~one~~ Iridium I should only be too glad to furnish You with it free of cost.

Yours Truly
John Holland

P.S. It is hard as diamond and as keen as steel and will not corrode or tarnish

W. E. Dodge Jr. Pres't. G. P. Crowell Vice Pres't.

The Ansonia Clock Co.

Nos. 19 & 21 Cliff Street.

A. A. Crowell, Sec'y & Treas. Hy. J. Davies, Gen'l Supt.

New York April 6. 1881

Mr Edison

Dear Sir

Your favor received respecting Chain — Inclosed please find sample of chain — if this is what you require I have also 50 yds — that you can have — If you require more I could show you how to make it —

Will come over and see you tomorrow

How are the telephones?

Yours very respectfully

Henry J. Davies

Leavenworth, Ks. Apr. 6th/78

Thos. A. Edison, Esq
Menlo Park,
Middlesex Co. N.J.

Dear Sir:

Have you among your inventions, or do you know of any instrument that will measure & indicate the number of vibrations of the air per second, in other words measure sound

Truly Yours
A. M. Swan

Dear Sir

Yes the phonograph will do this when run by clockwork and with a timing pendulum

Yours T.A.E

PHILADELPHIA TELEGRAPH COMPANY
TRANSMISSIONS, COMMERCIAL, MARITIME AND GENERAL
NEWS BUREAU

File Phono

3rd & Chestnut Sts Phila
4. 7. 1870

Friend Edison. I have a letter from Mr Sargent to Mr E. Johnson in which complaint is made of my showing the ~~Ed~~ Phono publicly (formerly to one by mistake) Saturday. I can only say that the Machine has not been shown publicly since you informed one of your select position — except in the Franklin Institute, & in the "Phonetic Society" which I had promised previous to getting your note. Prof Wagner asked me to let him show it at the Wagner Institute and I was to have done it, but when I got from

gentle hint I declined to carry out the plan arranged as behold! R. H. Butler

Alva

4th

I know that you fully comprehend the situation and that if I had done it, it would so much more to your final advantage. This is too big a thing to be pushed along under any "show" only be spoken of in that light. When the machines are ready to be sold I expect to purchase one of you best for my friend and gratification.

Thomas we understand each other I guess. You count on me as one whom you may safely say will not do you injustice — If the Court knows herself — and she thinks she do. Phone by Express

Brother

H. M. Powers, Pres't.
Clarence Darling, V. Pres't.

Bridgeport Scientific Society.

S. C. Wade, Sec'y.
W. L. Sherwood, Corres. Sec'y.

Bridgeport, Conn. _____ 187

APRIL 8, 1878.

THOS. A. EDISON ESQ-

DEAR SIR:-

YOUR KIND FAVOR CONTAINING SAMPLE OF VOICE CAME SAFELY. PLEASE ACCEPT MY EARNEST THANKS FOR THE SAME. I INCLOSE TWO STAMPS FOR THE EXTRA POSTAGE WHICH I SEE YOU HAVE TO PAY.

VERY TRULY,

W. L. SHERWOOD.

John Holland
MANUFACTURER OF
GOLD PENS & CASES,
No. 19 WEST FOURTH ST.

Cincinnati, April 10th 1878

Mr T. A. Edison

Dear Sir

Enclosed find a piece of brass wire pointed with the best quality of Iridomium such as we use on the best Gold Pens, I also enclose a sample of the metal unmounted, I hope you will find it satisfactory, It will bear a still finer point than this one if you prefer it. The metal is the hardest and toughest of all known substances and is not acted on by any of the acids or alkalies.

If you should find it satisfactory I should be pleased to supply you with any quantity of them mounted and dressed like the enclosed sample for $1.00 each, The metal in the natural state I can sell for $25.00 per oz and send you all ~~I can~~ large pieces. If not too much trouble I should be glad to know the result or to do any thing further in the matter that you may desire

Yours Truly
John Holland

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been assented to by the sender of the following message:

Errors in transmitting unrepeated messages may be corrected by repeating them, for which purpose a copy will be kept for one week; and no responsibility attaches to the company for mistakes or delays in transmission or delivery of Unrepeated Messages.

This message is an UNREPEATER MESSAGE, and is delivered by request of the sender under the conditions named above.

A. R. BREWER, Sec'y. WILLIAM ORTON, Pres't.

Dated Cincinnati Apr 11 1878

Received at

To J. A. Edison

Can you give answer to L. C. Wiss Message of yesterday

J. Armstrong

12 55 P.

J A Armstrong
Cincinnati

Referred your telegram of to Edt Johnson Tribune building New York yesterday We will be one who is having machines made

T A Edison

READ THE NOTICE AT THE TOP.

Graphic Office
N.Y. April 15

My Dear: Can I bring that critter home with me if I come down to see you Tuesday or Wednesday p.m.? I want to show it to friends Friday night sure.

Ever yours
W A Croffut

ADAMS & FORD,
WHOLESALE MANUFACTURERS & DEALERS IN
BOOTS AND SHOES.
NOS 142 & 144 WATER STREET.

A. E. Adams
D. A. Ford

Cleveland. O. Apl 15th 1878

Thos. A. Edison Esq.
Menlo Park N.J.
Dear Sir

If you can conveniently do so will you have the kindness to send by mail a sheet of the tin foil used on your Phonograph. is a sheet that has been used when the introduction of the sample by so doing you will confer a great favor before more many

Obedient Servant
E. P. Ford.

114 Water St.

Comman ask me to come for a ship.

New York Apl 16: '78

Chas. Batchelor

Send my long phonograph by Marvin this P.M. to Johnson & Co. Cortlandt third st.

Edison
N.J.

M. H. Bright
Dec 17. 78

THE CHRISTIAN AT WORK

EDITORIAL ROOMS.

WM. M. TAYLOR, D.D., *Editor*,
MARSHAL H. BRIGHT, *Managing Editor*,
J. N. HALLOCK, *Publisher*.

216 Broadway,
National Park Bank Building.

New York, ~~[illegible]~~ 17 1878

My dear Sir

Will you kindly advise me if it will be agreeable to you to afford me an hour or thereabouts to allow you phonograph? I do not wish to intrude upon you but should be very glad if you can afford me

[illegible]

the opportunity. Kindly reply in enclosed envelope and oblige

Yours faithfully
M. H. Bright

Prof. Thos. H. Brian

Note

It is impossible to say when I shall be home, if you will call at the Electric Pen office 20 New Church St after 12.30 on Tuesday or Wednesday you can learn if I am at home. If I am at home I will do not call on me by 12.30 I can always be found here

T.A.E.

Telegram

Cleveland Ohio Apr. 22. 78

T. A. Edison

Can you send us one phonograph machine in complete order, can a novice work it successfully? Price C.O.D.

E. G. Hatfield

Copy of this sent to Johnson
C.B.

Form 250.

American Dist. Telegraph Co.,

NEW YORK.

EXECUTIVE OFFICES
62 Broadway,
Messenger Department,
33 & 35 BRIDGE ST.

SUPERINTENDENT'S
AND
Auditor's Offices,
516 BROADWAY.

N Y Apl 25 1878

T A Edison Esq

The bearer of this Mr S A Churchill is desirous of travelling & lecturing with your Phonograph. I wrote you a few days since upon the subject but as Mr Churchill is pressed for time he thought best to call instead of waiting longer for an answer

Yours Resp
James C Browne

W. C. Dodge Jr. Prest. G. B. Cowles Vice Prest.

The Ansonia Clock Co.

No. 19 & 21 Cliff Street.

S. S. Cowles Secy & Treas. H. J. Davis Genl Supt.

New York April 3 1888

T. A. Edison
Menlo Park

Dear Sir

By Express I forward you that one two of very fine Cabinet Organ. that I think you will get a good Music from on your Plate Phonograph.

We are very hopeful dear Uncle Tom and see you before long.

Yours truly
Henry J. Davis

Dave Clark Esq
Akron

Indianapolis, —

Dear Sir.

I wrote you 26th left & rec'd your Postal 28th, and yesterday I rec'd a printed circular (Form 502) of the Edison Speaking Phonograph Company.

Instead of buying, I would return to a great favor if I can hire of you a phonograph, & perhaps a telephone, and pay you for articles consumed, and force for use of machine, and in exhibiting would be governed by your wishes as to the manner. If you wish I will in every instance announce the forth-coming Standard Machine.

The papers of this city gave notice that the instruments would be exhibited (I think last fall or eve) at the Wayne Free Institute of Science.

The large hall was more crowded than I ever before saw it.

A satisfactory apology was made by Prof. Wagner, for the disappointment, & the chair was filled by the Prof. of Astronomy.

I would then exhibit the articles. (free of charge)

In one instance the Prof. of Chemistry was unexpectedly absent, & at the request of Prof Wagner, I occupied the place.

If you will grant my request, please state terms.

Very Respectfully,

Daniel Clark M.D.

53 N. 10th St. Philadelphia Pa.

P.S. What are the weight and external dimensions of the Phonograph box & contents.

The Gold and Stock Telegraph Co.
WESTERN UNION BUILDING.
197 Broadway.

New York, ... *187* .

Thomas A. Edison Esq

Dear Sir:

I have to preside at a dinner May 2d. at Delmonicos in the large Hall of the house. About 200 ladies and gentlemen will be present. I would like to have you present. I would like to introduce the speakers by Phonograph! It would attract much attention. Will you accept an invitation to be present? Please do. I will not trouble you any more. Answer by telegraph.

yours always

J. W. Reid.

THE

Edison Speaking Phonograph Company.

E. H. JOHNSON, General Agent,
P. O. Box 5529.

New York, 1878

My Dr Edison

Two very intelligent Elderly ladies request me to hand you Enc. Cards - One said she has hardly been able to sleep for Excitement over your great discovery

You should address a note of receipt & thanks

E H J

Ahr
E H Johnson

J. E. Johnson

Compliments of
Mrs. F. S. Hasler
to Mr. Ellwood
Guests Compliments
Drafts & Cow
Butter Mrs.

Compliments of
Mrs. Edward Sydney
to Mr. E.

J Hopewell
May 8

East Orange May 3/78.

Mr. Thomas A. Edison

Dear Sir

I take the liberty of asking the favor from you to grant a permission to me to call at your establishment with two or three friends to see your wonderfull Phonograph, if agreeable to you. I would like to call at such a time when you will be there, which you will please let me know by enclosed postal card, providing I will not intrude on your time. For reference, I would name Mr. Pilwell

who was formerly engaged
at my establishment.
Hoping that you
will favor my request
I remain Respectfully
Your
Jacob Lagowitz
No 9 Pike

[illegible]
London, [illegible]
[illegible]
at the [illegible] New York

[illegible]
on [illegible]
[illegible] 23 [illegible] 1864.
Yours
[illegible]

Port Huron May 7/78

Friend Edison

I would like very much to get one of your phonographs. Will you please let me know how soon you can send me one, and what the price will be. Port Huron people are very much interested in your invention, and are watching with great interest the development you are making.

Your Brother Pitt and his family are all quite well

Yours Truly
W. B. Hibbard

T.A. Edison May 9-78
Menlo Park N.J.

See following press despatch
dated Boston May 9-

"A public exhibition of Edison
phonograph was given tonight at
Horticultural Hall before a large
audience. The marvellous instrument
reproduced with all the fidelity
[illegible]
[illegible] words & sentences
previous to the opening of the
Hall. and also a Cornet Solo
and other music.
The Audience were completely
charmed at the astonishing
product of the human brain"

Griffin

Rutway N.J. May 13. 1878

Thos Edison Esq

Dear Sir

Allow me to introduce to you my friend A. E. King who will be very much obliged by having an opportunity to inspect your wonderful Phonograph & hear it talk

Yours truly

Patrick Clark

Form 7.] [Telegraph.

PENNSYLVANIA RAILROAD CO.'S TELEGRAPH.

Received, Office, Operator, o'clk. M. May 14 1897

From New York For Thomas A. Edison

Just received following
from Genl Supt Gamble San Francisco
Procure for me one of Edisons Phonograph
with full instructions for operating
We wish to exhibit it here at Grand
Musical Festival commencing 28th
Spare no authority to buy
or borrow and forward at once
by Express answer What shall we do
about it answer

J. C. Hutchinson

Dft you inner R

OFFICE OF

Vineland Weekly.

Job Printing Neatly Done. Color-Work A Specialty.

R. G. BLAINDELL, Editor and Proprietor.

Vineland, N. J., May 14 1891

Thos. A. Edison

Dear Sir

If I should come to Menlo Park would you allow me to see the phonograph in operation?

Very truly yours

R. G. Blaindell

Room No. 3

All communications should be addressed to the Commissioner of Patents.

DEPARTMENT OF THE INTERIOR.

United States Patent Office,

Washington, D. C., May 16th 1878

Friend Edison

Allow me to introduce to you Dr. R. M. Adams of this City. He is much interested in electrical and acoustic matters.

Had he heard a lecture on the Phonograph before he knew of the formation of the Phone Co. from what I hear he would undoubtedly be a valuable man to let have stock in the exhibition scheme. —

He is very desirous however of meeting you apart from any such reasons, and I commend him to you.

Very truly Yours

Z. T. Miller

Friend Edison

Any courtesy that you can give to Dr Adams will be a personal favor to me. Yours

Tennant

Burton O May 18th 1878

T. A. Edison Esq
Menlo Park
N. J.

Dear Sir

March 22nd 1878 I wrote you, making an application for one of your Phonographs, I recd word that you was not quite ready to furnish them then but would be in a few weeks and would inform me when ready, a short time after I recd your circular that you was ready to furnish the Phonograph, price $100.00, I then ordered one to be sent C.O.D. by first express, Your Genl Agt then telegraphed me that they was not quite ready but would be about May 1st would ship me one then, thereupon I went to work to get ready for it, paying out

considerable money, and also refusing a position that was offered me which I should have accepted had I not been promised the Phonograph. May 1st I recd a letter stating that you had concluded not to sell the Phonograph, but lease it to the party that would give the largest per cent of the gross receipts, That I did not consider a honorable way of doing business by a firm that had the least pretention to being an honorable firm, but never the less I sent in my bid of 40% of the gross receipts.

Well May 16th I recd a letter from your Genl Mgr, Mr Redpath stating that you had asked to have a Grinder of yours assigned the state of Ohio and that they were compelled to take care of Mr Edison Grinder and give him the state of Ohio, with the exception of a small portion which they gave to other parties, I then asked

for some other state or portion of state
the answer came that they could
not give me any territory at all, and
that they regret exceedingly that one
who was so early an applicant should
be thrown over.

Now then is that the way you do bus=
iness, is it the way for an honorable
upright firm to do, for I suppose you
call yourself an honorable firm, here
I have before me a postal from Mr Johnson
stating, We will send Phonograph about
May 5th, Now I have been to consider=
able expense, thrown up a good position
on your promises, and now you go back
on your word, and leave me out in
the cold, I have a family (wife and two
children) dependent on me for support
having given up one position I do not
know when I shall have another, my
trade is operator and elec. repairer

the job I gave up was one of line repairing. Now do you think it any more than right that you should give me some turning, and turning that will pay me, I can't think that you are a man that will go back on your word, and do an intentional wrong to one of your own fraternity, and that one, one that has to struggle hard to keep along. I trust you will deem this worthy an answer and hope you will conclude to set me going. Awaiting an early reply I remain

Yours truly
C. M. Cook
Burton.
Geauga Co
Ohio

Lumber Dealers
Cor. Pine & 29th

We shall have some for sale in about 6 weeks at $100 each

Boston Mass May 20th 1879

Mr Edison

Dear Sir

being on a visit from my native Sydney Australia N. S. Ws I stepped into the Horticultural Hall in this city to see your wonderfull Phonograph or Speaking machine and consider it a most wonderful invention. what I want to know do you make them for sale if so will you sell one of them to me as I should like to take one of them back with me on the first of June enclosed please find a stamp for reply and let me know if they are for sale and what is the price and oblige S. Thornton

Direct for

Boston May 20th 1879

Mr Thornton

Not ready for sale yet June 18th

Thomas Thornton
Care of H. Mitchley
3 Province Court
Boston Mass—

Office of HENRY J. ENNIS,

Solicitor of American and Foreign Patents,

AND EXPERT IN PATENT CASES,

711 G Street, opposite U. S. Patent Office,

P. O. Box 442. Washington, D. C.

May 27 1878

Friend Edison

You promised me a shelf for Phono. Tyfoil afternoon. Send at your convenience and accept thanks. There are 2 letters advertised here at the Post Office for you. You might have Printed and them to you. Am making a Phonograph and shall call on you for instruction if it don't fit.

Yours Truly

H. J. Ennis

H R Mills
May 24. 78

Poemic May 1878

Thos Edison

Dear Sir

Wishing to make some microscopic inquiry into the record made on the foil used in your wonderful little Machine the Phonograph, I take the liberty to ask you if you will be good enough to send me a piece of the foil on which the instrument has recorded these words for instance

What
Not
Where
When — if —

Should you find this request
that to make a tax on your
time I shall feel very much
obliged to you
I think it might serve in
our consideration if the impressions
were on the same side as that
[illegible]
it —

If you will be so kind
as to mark so that I can
recognize the words in the
[illegible]

What — [illegible]
[illegible]

What — [illegible]
[illegible]

Dr — Rev Percy Selby Jones
[illegible]

Appleton, Wis., May 24/78.

My dear Sir: For the sake of its significance & phonetic science, and indirectly, of Philology, I want very much to get a piece of the tin foil which has been inserted in your phonograph. If it is possible please send me the impressions of six long vowels, a, e, i, o and u, fully and carefully pronounced, and a few connected words, thanks, and greatly oblige your obedt servant

Wesley C. Sawyer
Prof. in Lawrence Univ.

Boston Hotel Berkeley
May 27. 1878

Dear Mr. Edison,

In my haste on Sunday I forgot to mention an additional advantage from the use of rubber on the phonographic cylinder. It not only serves as a deadener but the tin foil backed by the rubber possesses many of the characteristics of a soft material with the additional advantage of being immediately ready for use.

If for instance you will take any one consonant sound or a monosyllabic word and and embossed upon foil over rubber and then upon foil alone and then compare the two under the glass, or even without it you will find a greater number of overtones on the foil over rubber. Of course the rate of revolution and the duration of the sound spoken must be the same in producing both in order to get a correct comparison

Very truly yours
Clarence J. Blake

PACKARD'S BUSINESS COLLEGE,

805 BROADWAY, NEW YORK. [illegible] 1879

Prof Edison:

I don't want to be "one of them boys," and I don't mean to be. I have a very strong interest in the early completion of the practical phonograph. I have a very perfect plan for it in my head. I would establish it with a professorship of Dictation.

Phonography, with the use of the typewriter, are important features in our course of training, and the great need in both of these is a perfected system of dictation. I have studied the phonograph fairly thoroughly with reference to this question, and am convinced that with results one can get with it I want dictation classes of 20.

30. 40. 30. and thus up to 150 yards or more. and with your upper rear sling disc. and the rear movement, the bearing is perfectly possible.

Will you kindly state when I may fully expect a complete, and therefore your opinion, may be perfectly understood.

I should be pleased to confer with you personally, but will wait until you have movement to offer.

Yours truly

S. S. Stokes

Respectfully to
Lt. Col. Martin
Inspector General
Block Island

Nov 24 1870
S. S. Stokes
Block Island

339 VAN BUREN ST BROOKLYN N. Y.
JUNE 4. 1878.

T. F. EDISON ESQ.

MEBLO PARK N. J.

DEAR SIR.

I CALLED AT YOUR LABORATORY YESTERDAY, BUT RETURNED HOME WITHOUT SEEING YOU.

I AM INFORMED AT THE OFFICE IN NEW YORK, THAT NO MORE PHONOGRAPHS WILL BE FURNISHED FOR EXHIBITION IN THE UNITED STATE UNTIL AFTER OCT 1ST. THEY SAID THAT YOU STILL CONTROLLED FORIEGN TERRITORY AND RECOMMENDED ME TO SEE YOU PERSONALLY.

AS I AM OUT OF BUSINESS AND HAVE BEEN SO FOR MORE THAN A YEAR, AND HAVE A FAMILY FOR WHOM TO PROVIDE, I SHALL ESTEEM IT A GREAT FAVOR IF YOU WILL GIVE ME A CHANCE WITH THE PHONOGRAPH.

I FIND IT SPECIALLY HARD TO GET ANYTHING, FOR THE REASON THAT MY VISION WHICH WAS IMPAIRED IN THE SERVICE, UNFITS ME FOR MANY THINGS WHICH I MIGHT OTHERWISE DO. I COULD MANAGE THE PHONOGRAPH HOWEVER AND SHOULD VERY MUCH INDEED LIKE TO TRY IT.

I AM IGNORANT AS TO THE TERMS MADE BY YOU WITH AGENTS, BUT AS I HAVE A LITTLEMONEY I THINK THAT I CAN COMPLY WITH YOUR REQUIREMENTS.

HOPING THAT YOU WILL ACCORD MY CASE FAVORABLE CONSIDERATION AND VARY THE MONOTONY OFNEGATIONS WHICH HAVE CHARACTERIZED ALL OF MY EFFORTS FOR THE PAST FIFTEEN MONTHS I REMAIN

RESP' Y YOURS

H. L. FORD.

I REFER YOU BY PERMISSION TO E. WYMAN OF DUN, BARLOW & CO 214 & 316 BROADWAY NEW YORK

Boston
Hotel Berkeley
June 8. 1878.

My dear Sir,

I regret that on my return to Boston I found my time so fully occupied that I had no opportunity of visiting the Phonograph Exhibition. I enclosed your card and an explanatory note to Mr. Ballard and received a reply from Mr. Mackinlay asking me to call which I was unable to do.

The scissors book I believe prevented my making a set of tracings, as I had proposed doing, to send to New York, as the enlarged pictures of those I have were not sufficiently distinct.

Very truly Yours
Clarence J Blake

James Redpath Esqr.

My dear Sir. June 9, 1878

You will please remember that you promised me a photograph of yours with your autograph on. You have never sent me the Dance. Would you please send me one to San Francisco care Bell Telephone Co 320 Sansome Street — I suppose you see my article about yourself published May 19th in Belletristische Journal N.Y. I sent you a paper of this City the other day giving an acct of my first exhibition of the Kinetograph. Hoping you are very well I am

Your very truly Paul Otto

What should I say to this
scientific suggestionist? —
[M.B. last word is doubtful reading
to the noble Grecian Black]

— Rockport June 11th '78

Friend Redpath

I leave for
West Newton today and will
open there soon as possible —
Has Edison ever tested a light
spongy metal used by dentists
and called Allumni or some such
name — It seems to have some power
to magnify sound and may perhaps
prove to be just the thing for the vibra-
ting plate of the Phonograph — I would
make a test of it but it is not to be
had here. It resembles tin very much
but is more light and porous and my
recollection in handling it is that passing
the finger over it will cause quite a
rustling sound while the same would
not be heard on tin or other metals —
I would like to know if Mr Edison

has tested it - if he has not
and dont wish to I will ...
Please address me at Pittsburgh
and my mail will be forwarded
to wherever I may happen to be -

Respectfully
B. V. Eaton

Please let me have a line from
you in regard to the slater matter
F. W. E.

[illegible]

No 9 Davis Hill Ave. June 11th 1878
Dorchester Mass.

Thomas A Edison Esq.
Menlo Park N.J.

Dear Sir

In reply to your postal of June 10th my letter of May 18th was an answer to one received from you of 16th inst. (May) in regard to "substitutes for the tin foil" as used in the Phonograph

Yours Respectfully

Isaac H. Davis

ROCHDALE, MASS., JUNE 13., 1878.

MR. T. A. EDISON,

DEAR SIR:-

PLEASE ACCEPT THANKS THAT YOU TOOK THE TROUBLE TO ANSWER MY COMMUNICATION.

I DID NOT MEAN TO IMPLY THAT IT COULD BE THOUGHT STRANGE THAT THE PHON. IS NOT YET ABLE TO MEET ALL THE EXPECTATIONS WHICH CANNOT BUT BE CHERISHED IN REGARD TO IT.

YOU HAVE GIVEN THE WORLD A GRAND NEW PRINCIPLE, AND THAT IS WHAT BUT VERY FEW, LIKE FRANKLIN, HAVE EVER DONE. BUT HIS ELECTRIC PRINCIPLE WAS ONLY IN THE GERM. SO WITH THE ART OF PHOTOGRAPHY at first.

I WOULD NOT TROUBLE YOU WITH THIS COMMUNICATION, ONLY THAT I SEEMED IN MY OTHER TO CONVEY THE IDEA THAT I UNDERVALUE THE PHONOGRAPH, WHICH IS INDEED A MARVEL AS IT IS.

WE CAN NEVER FORGET THAT ALL GREAT ACHIEVEMENTS IN ART HAVE REQUIRED TIME, OFTEN MUCH TIME, FOR THEIR PERFECTION, OR THEIR APPROACH TO PERFECTION.

EVEN THE LITTLE MACHINE ON WHICH I AM WRITING, & WHICH IS A GRAND PRODUCTION FOR US WRITERS, REQUIRED LONG YEARS OF PATIENT THOUGHT & TOIL TO BRING IT TO ITS PRESENT STATE .

YOU WILL PARDON ANY SEEMING UTTERANCE WHCIH CONVEYED THE IDEA THAT YOUR WONDERFUL WORK WAS UNDERVALUED BY ME; FOR NO ONE WHO

HAS ANY KNOWLEDGE OF YOUR LIFE & ITS ACHIEVEMENTS CAN BUT ADMIRE BOTH.

PARDON ME FOR TROUBLING YOU WITH THIS EXPRESSION OF APOLOGY IN ~~REGARD~~ REGARD TO MY FORMER HASTY WRITING, WHICH CONVEYED WHAT I DID NOT INTEND.

RESPECTFULLY & TRULY YOURS,

S. R. BAILEY.

Thanks for the promise to write in regard to the result of examination as to the drum idea. When I consider the temerity in even suggesting anything to an inventor of your reliability, if the idea is entirely (and the idea is new to you. But the thought that hardly it might not have been true, & that it might be of some value, induced me to write.

Yours truly
S. R. B.

108 Smithfield Street
Pittsburgh, 14th June 1878.

Thos. A. Edison Esq.
Menlo Park,
Middlesex Co.
New Jersey.

Dear Sir,

Reading your account "The Phonograph and its future" in the North American Review, and taking great interest therein, I write to suggest as a probable improvement in the delicacy of the diaphragm, that it should be made of steel, (or whatever other metal that is now or may be in future used) from which the occluded gases have been removed. —

I beg leave to call your attention to the fact that all metals contain as much gas, of the atmosphere that surrounds them when they were liquid as their natures would allow. — All metal found native contains hydrogen gas, such as gold, silver, platinum, palladium — in various quantities — palladium occluding 900 times its own bulk of hydrogen gas. All metals reduced by human art from their ores by means of carbon contain carbonic acid — As steel contains carbonic acid. Not as a gas, but as a liquid, permeating every part — This liquid, when the steel which contains it is struck, acts as innumerable shells, which finally break the steel — Thus about 900 explosions in a steel cannon burst it — a certain number of days work of stamps bursts the walls of the hydraulic ram, the steel locomotive axle is thus finally broken, (apparently, crystallized) the steel cold chisel is thus splintered. — Nothing in this acknowledge, about four years ago. I made a steel cold chisel out of steel from which the carbonic acid gas had been drawn by means of an air pump — and the chisel was and continue to be the best chisel that ever was made. — About 2 years ago I made a tuning fork in same manner, and it gave and gives a more perfect sound than the "Philharmonic" tuning fork of commerce, in a large scale the gases could be withdrawn at a cost of 1½ times one dollar a ton.

Without doubt, liquids occluded in metals, would interfere with their perfect reception of sound,

I am
Yours truly,
John F. Bennett. —

Pittsburgh June 17/78
John F. Bennett

Ans'd June 17. 78
Asked him to send piece
of steel such as he describes
for Experimental purposes.

Washington D.C.,
June 14, 1878

Dear Sir:

I have invented some improvements in the Phonograph; and I desire to submit an idea of them to you for inspection, which I do in the following sketches and descriptions:—

First. The indenting and reciving stiles, instead of having a rounded point, have an edge, slightly dull or rounded, to not cut the foil, which may be called a chisel, or rather a screw-driver edge, thus (enlarged scale) roughly:—

The advantages of this form are that, while they need much indenting power as the sound-pointed style, they are more exact and efficient in action, and do not require such nice adjustment, as shall illustrate. Suppose the indenting style to be the 16th of an inch wide, (which is practicable,) then the receiving style may be only half as wide, say the 32nd of an inch wide. This gives allowance for considerable lateral inaccuracy, and yet the receiving style will fit perfectly in the track of the indenting style; whereas, with the rounded point style, if the receiving style varies any considerable amount from a central line, it will ride on the sloping sides of the indentations and not produce a good result in force and distinctness.

But the advantage of the linear-edge style is of most value in connection with my principal improvement, which I now mention:—

I discovered that the action of the indented groove on the receiving style was essentially imperfect and false in effect, for the following reason.—

While the minute vibrations which produce the pitch of the tones are properly reproduced, since they depend on the quickness of the vibrations, or time alone, yet the force of the receiving vibrations is the reverse of that of the indenting style, so that the sounds returned are the opposite of those

given in force, the strongest becoming the weakest, and the weakest becoming the strongest, as will be apparent from the following diagram:—

Let a a, indicate the line of the diaphragm surface when at rest; and b b, the irregular positions produced by the various forces of the sounds, as represented by the bottom of the indented groove. Now it will be evident that the strongest force on the diaphragm produces the deepest indentations, and the weakest produces the highest parts of the indentations. But when the receiving stile passes over the indentations, the highest points will act most strongly on the receiving diaphragm,

and produce the loudest sound, and vice versa. Thus you have a negative phonograph in fact.

My invention consists in producing a positive phonograph from this negative, by a counter impression taken on, so that I have a phonographic ridge, or relief, instead of a groove, for the receiving stile to pass over, and reproduce the sound exactly, truly, nicely and clearly, and require no nicety of adjustment. But the movement of the receiving stile, or of the form past it, is, of course, reversed in relation to that of the indenting stile.

This counter-impression, I fix a permanent record, of value, & produce by the electrotype process, the same as for electrotypes, only I use the side of the

electrotype which comes next to the tin foil; the foil remaining on its form, or grooved plate, till the impression is taken. The copper or nickel, maybe deposited directly on the tin foil, and if the foil afterward clings to it, the foil is melted off. or plumbago, or fine carbon dust maybe sprinkled on the face of the foil, before applying the bath. After the copper or nickel is laid thick enough to retain its form, it is backed with soft-metal, cement with wood, if desired, as in the case of electrotyping. Thus we have a form that is hard, unyielding and durable, which can be transported anywhere without injury, and can be applied to a revolving phonograph of equal force to the original. A nice adjustment and no grooved plate is required to reproduce the sounds or language.

For temporary use, instead of electrotyping, I use a plaster material that will soon set and harden. One material is fine plaster of Paris mixed with a considerable glue size poured over the tin foil in form. Another material is paper pulp, or paper mache well sized with glue. Another is wax, of the proper consistency, poured on the foil in a melted state. Or gutta-percha, or any equivalent material may be used.

Other, minor features for further carrying out these main features, and for such

ing a cheap and convenient phonograph, which I describe in my specification, I need not speak further of here.

Yours Respectfully,

J. S. Brown.

Thomas A. Edison Esq.
Menlo Park,
New Jersey.

Phonograph patents
Ac Edw Bass

Geo. H. Bliss, Genl Mgr.

OFFICE OF ELECTRIC PEN & DUPLICATING PRESS.

220 to 232 Kinzie St. Chicago, June 18th 1878.

T. A. Edison Esq.
Menlo Park, N.J.

Dear Sir!

On my return from New York I turned over the Phonograph exhibit to the Illinois Speaking Phonograph Association, & Edison Speaking Phonograph Association. Gave the day exhibit in Chicago. This consists of Col. J. J. S. Wilson, Capt W. U. Tel. Co. Capt. of Col. J. J. Pickard, Capt Mat, Lehigh Co. C. H. Summers, Electrician U. C. " " " H. W. Jones Asst " " " " C. W. Jones Asst Capt Mat Tel. Co. L. H. Dobbs Capt Tel. Chi. Dist. & C. R. R. Elisha Gray & E. B. Hamlin. They pay me 10% of gross receipts and I am at no expense. They agree to make the exhibit strictly a Phonograph exhibit. They profess to have great influence with the press and anticipate great results. It was the only way to avoid a fight in which there would neither glory nor money on account of the unfortunate

Geo. H. Bliss, Genl Mgr.

OFFICE OF ELECTRIC PEN & DUPLICATING PRESS.

220 to 232 Kinzie St. Chicago, 1878.

fire-clearance which the Pho. Co. had placed me in. I have rented a store under the Palmer House on State street for the day exhibit. It is the best street and hotel in the City. I am advertising every day in the papers, have put up $400.00 worth of bills & posters, have banners carried round the streets, notices in the street cars, a band & cornet plays & all the attractions, have a man who does nothing but advertise & interest Hotel people all the money on hand & all I ever expect to have. The parties who have such influence with the press are doing their best and I think people don't go wild over the Phonograph it is because they don't appreciate a great invention. Those who come are delighted but the Midget or Lilliputian drawn $1000.00 houses while the Phonograph draws $50.00. What a sad commentary on Bliss' management! Have telephone works to a charm & many people open their eyes here.

Respectfully
Geo. H. Bliss Genl Mgr.

Geo. H. Bliss, Genl Mgr.

OFFICE OF ELECTRIC PEN & MULTIPLICATING PRESS.

220 to 232 Kinzie St. Chicago, June 7th 1878.

Thomas A. Edison Esq.
Menlo Park, N.J.

Dear Sir:

Was very sorry to hear of your ill health. You ought to get away this summer and take a prolonged rest. I believe the Lake Superior trip is the thing for you to take. If you have any idea of coming please name the time so that I can begin to figure on the passes. I dont wonder you to pay a call of such far from the time of leaving New York till you return. The party who were so very anxious to get the Phonograph are not having a pathway covered with roses. I learned over to them all of Illinois except the day exhibit in Chicago. With all this influence with the press (and ~~what~~ their reflections on Bliss' bad management) their first exhibit opened with $3.00 receipts, $2.00 $3.00 $1.00 in one small town day took in $19.00 by combining the Union Athenæum

Geo. H. Bliss, Genl Mgr.

OFFICE OF ELECTRIC PEN & MULTIPLICATING PRESS.

220 to 232 Kinzie St. Chicago, 1878.

& with the exhibit which is what they intend to do hereafter. This is hardly fair to the Press interest but it deserves them right for not having given me a straight thing and I get 5% of the gross receipt am satisfied if they are. I dont think any one is to blame for the small receipts of a great deal of work has been done & influence brought to bear but popular interest this way can be stirred up to any high pitch. My smallest receipt was $10.00 and have run as high as $14.00. Experience with the Phonograph shows you cant most always 430. what will happen and that people want to try their hands before throwing too much work. You will be glad to learn that the Western Electric Pen taken the agent of L.H.B. & Co. for the debt and that I think in an equitable manner. They have done the square thing in this matter and I thoroughly appreciate it.

Respectfully

Geo. H. Bliss

Washington D.C.,
June 26, 1873.

Dear Sir:

Yours of the 17th has been received and considered. Of course, I know not what you have on file in the office, but have judged your invention by the patents issued. I suppose you use styles not merely pointed, but linear at the end to a slight extent, while I have experimented with a style of from the 32nd to the 16th of an inch wide. I do not however attach much importance to that except in connection with the main feature of the invention, — the reverse and relief surface

to produce sound vibrations, which is a new and distinct principle, as compared with the indented, or morphic sound, or a facsimile after same, which you describe and which does not give a true reproduction of the sounds any more than a printing type represents a letter; and which produces force, not by force waves on the foil, but by the deeper impression of the time waves, thereby requiring a strong pressure of the receiving stylus to reproduce faintly sounds. If the relief surfaces did not improve the naturalness and free production of the sounds, over the mark record of the foil, at least there is a great advantage in taking the reverse directly, without intermediate process, and without requiring a removal of the foil, and in obviating much of the scraping sound now heard, because the places not indented, where there are intervals between words &c, are sunk in the reverse, instead of being in highest prominence, as on the foil. For this invention, I have experimented on a plastic substance, doing away with foil and grooved belt altogether, simply giving consistency enough thereto to retain the indented form, and hardness enough to give the reverse without clasping form. Thus the indentations are more marked, without requiring so much force of sound to produce them; and rendering the linear edge of considerable width of stile practicable, since

the indented, or marked surface is not required to be of a nature adapted to reproduce the sound vibrations. Of course, the electrotype process here comes in well for more permanent records not wanted immediately; but for reproducing sounds at once, a "fusible metal," adapted to this purpose, is the most suitable, melting as it does, at a temperature below the boiling point of water, and being sufficiently hard when solidified. The best proportions of metals for this alloy, I think, are:- bismuth, 8 parts; tin, 4 parts; lead, 4 parts; and antimony, 2 parts.

Very truly,

Alex. Graham Bell.

Prof. Edison, Jr.

Bell Telephone Company
—AND—
The Edison Speaking Phonograph Company.

Room 3, over Wells Fargo & Co's Express,
CORNER OF HALLECK AND SANSOME STREETS,
SAM'L HUBBARD, Gen'l Agent for Pacific Coast.

Mr Decker

San Francisco, July 1st 1878

My dear Mr Edison

Many thanks for your photograph & autograph, it gave me great pleasure to receive it. The phonograph exhibition has not been profitable thus far. We are obliged to go to an enormous expense here in advertising. People are prejudiced against the Phonograph owing partly to a humbug exhibition started over this part of the Country prior to my arrival with the genuine machine. People are at the same time exceedingly curious as to the corresponding phong. with Telephone. Very hard to

get paying audiences despite Street Banners, Mammoth posters on every Street Corner, long handbills displayed, enclosed by the Ten Thousand, newspaper editorials. Entire absence of the intellect or ambition of claiming as met with on the Coast.

Sacramento July 8th

I finish this letter at Sac: the capital of the State. I can see we are breaking down with our phonograph Exhibition entirely. My Machine talks splendidly, you could hear it almost one Block off, but people cannot be attracted to come to see it. We cannot pay expenses here. And just think what misfortune has happened to me, I had taken your photograph with me to the hall, some pick pocket did away with it. This has disconcerted me more than anything. And I have to rely once more on your kindness asking you to send me please another copy of your photograph on the back. Will you? At the

2

Same time I would be very much obliged to you for some detailed information as regards your latest discoveries the telescophon (ear trumpet), the microphonic & telephonic improvements, the workings & prospects of the aerophon & how far the "Standard Phonograph" has progressed. Tell Mr. Batchelor to write me all about it please. I will either keep it for myself or insert for Rees publication as you decree. I am now preparing an article about the Phonograph for the San Francisco Chronicle. My article published in the New York Electrical World, Journal (the "The magician of Menlo Park") appeared in the Voss gazette of Berlin at the

same time it has been copied by two influential Berlin papers, one of which has a circulation of 70000 copies a day. It has created quite a sensation here. I had parts of it republished also in a San Francisco paper. Please inform me of all — you will find me the most grateful & appreciative recipient of all such valuable communications about your works.

Hoping that these lines will find you well I am most sincerely your friend

Paul Oeker

I see by Berlin papers that a Phonograph "after Edison" is exhibited there — is this an infringement on your rights?

PACKARD'S BUSINESS COLLEGE,

865 BROADWAY, NEW YORK, JULY 3, 1878.

THOMAS A. EDISON ESQ.

DEAR SIR:---YOUR LETTER IN RESPONSE TO MY INQUIRIES WAS DULY RECEIVED, AND SO FAR AS IT WENT, SATISFACTORY. I WOULD NOT PRESUME UPON YOUR TIME TO ADDRESS YOU AGAIN EXCEPT FROM A NECESSITY WHICH YOU WILL APPRECIATE. I AM MAKING UP MY SCHEDULE FOR MY FALL TERM AND DESIRE TO PLACE BEFORE MY PATRONS ALL THE SUBSTANTIAL INDUCEMENTS AT HAND. THERE IS NO ONE THING THAT I HAVE THOUGHT MORE ABOUT OR EXPECTED BETTER RESULTS FROM THAN THE INTRODUCTION OF YOUR IMPROVED PHONOGRAPH FOR THE PURPOSES OF DICTATION. I AM SO WELL SATISFIED AS TO THE RESULTS ATTAINABLE THAT I ONLY WANT ASSURANCE AS TO THE TIME OF ITS COMPLETION TO ENABLE ME TO CONFIDENTLY PREDICT ITS ACHIEVEMENTS.

BUT THERE IS ANOTHER OBJECT IN MY WRITING TO YOU AT THIS TIME. THERE WILL CONVENE IN THIS CITY ON THE 7TH OF AUGUST NEXT A REPRESENTATIVE BODY OF COMMERCIAL TEACHERS, COMING FROM ALL PARTS OF THE COUNTRY, AND THE OCCASION WHICH SUCH A CONVENTION WILL PRESENT OF SHOWING THIS USE OF THE PHONOGRAPH WILL, I THINK, BE UNPRECEDENTED. CAN I ACCOMPLISH ANYTHING IN THE MATTER BY CALLING TO SEE YOU? OR, IF YOU CANNOT GIVE ME THE NECCESSARY PERSONAL ATTENTION, WILL YOU INDICATE WHAT COURSE I HAD BETTER PURSUE? IF YOU HAVE A REPRESENTATIVE IN THIS CITY WHO COULD SPARE THE TIME TO CALL AND SEE ME AT MY OFFICE, PERHAPS THAT WOULD ANSWER THE PURPOSE. PLEASE LET ME HEAR FROM YOU AT

YOUR EARLIEST CONVENIENCE AND IN THE WAY THAT BEST SUITS YOU.

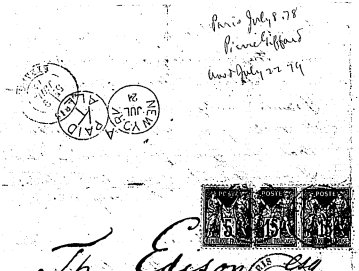
I AM, SIR, WITH GREAT RESPECT,

YOURS VERY TRULY,

S. S. PACKARD.

Geo's Juny #7

Paris July 8 78
Pierre Giffard
Answ'd July 22 79



Th. Edison Esq,
Menlo Park
N. J. Etats-Unis

Paris July 8th 1878

Th. Edison Esq

Dear Sir

I had the pleasure to write to you, a few days ago; since that time, and bearing always in mind the Phonograph, and its different applications, I came to the conclusion that, a clock with phonograph attached to it, would be a great novelty for the French market, it would tell the time, with or without bell. A friend of mine, who is a clock-maker of great ability has drawn the plant, and is ready to make the first type.

But before going on any further I must have your approbation

Answ'd July 22 78

Therefore, I ask you to give me the privilege, of making and selling these checks, in France only, in consideration, I will pay you a royalty, that you can fix yourself, but I must tell you that these checks must be very cheap to sell here.

If you authorize my use of the phonograph for that purpose, please let me know at once, and I will send you the first type made.

Of course, I ask an exclusive privilege & would not accept it.

I remain Sir, very respectfully

Yours

Pierre Giffard

2 avenue Trudaine

Paris.

No ans

Harvard. Mass.
July 13th 75.

F. A. Edsandy.

My dear Sir.

Your favor of the 4th inst. inclosing bill with vouchs secured, has reached me at this vacation retreat. I am very much obliged to you for the pains you have taken to aid me. My paper, to aid in the preparation of which I desired the bill, was finished and read before the Am. Philological Assn at Newtonge, East Cast. Westmoreland.

I received, however, some specimens of the tin-foil from Oshkosh that answered my immediate purpose very well. For which favor you have received our conscious sense of my convictions and will receive my further pledge.

With great respect and sympathy I remain

Yours truly & devotedly,

W. C. Dunlap

No Ans

Lake George N.Y.
July 28th 1878.

T. A. Edison Esq.

Dear Sir,

Your favor of 18th inst has been forwarded to me here.

I believe I was mistaken in saying that Phonographs are offered "for sale".

I saw a statement that

"Enclosed I send over the "North" & honor of a party in Philadelphia who has made use of the microscope to Mr. Barnes & Sally. I have spoke to Mr. Barnes personally for any Photographs we may need at the present to Washington (or Gov. of Pennsylvania) & respectfully to induce the Gov. to favorably your Excellence. Some of the more numerous others to copies, we think it would be an act of practice as well as a pleasing about your pursuits, we have called another time. Please at your leisure to the same at your convenience. Yours very truly S. W. Kelly."

a party of Titusville has had made a Phonograph, & think, given a public exhibition with it there. I have seen the same with regard to a party at some other place - can't remember where.

"The Scientific American" publishes instructions how to make them & I believe they are being

San Francisco
Aug. 6. 78

My dear Mr. Edison

I feel very sorry having missed you here in San Fco. I returned just after you left. My success with phonograph was very poor, owing to circumstances, while every body who sees it, seems appreciate the invention. I wrote you from Sacramento asking for some information in regard to your work, but have not heard from you, because you were thinking your journey. Would you or Mr. Batchelor be now kind enough to answer my questions as to standard phonograph, ~~etc~~ latest improvements etc.? There is another important point I would like to know viz: whether the New York Edison Speaking Phonograph Co owns the right for Europe particularly for Germany? If your new phonograph comes out something might be done there. A friend of mine (J. Hamburg) wrote to you on the subject. Has your phonograph been patented in Germany? I noticed the other day that an imitation instrument is being exhibited now through Germany.

How many do you think can the phonograph be put to general use & become an article for sale? And what would the chances be as regards home competition in Europe especially Germany? All these & other questions I should like to have answered.

My article about your visit & your inventions have been reprinted everywhere in Germany & created quite a sensation. I should like to have the opportunity, as all the papers here abroad are open once to bring you a continuation of same, well understood, with your approval & so as not to injure your own interests, as done by Preece etc. Hoping you have enjoyed your trip to Cal & to hear from you soon & remain dear Sir

Most truly Yours

Paul Ecker

Address: care of Theodore Kirchhoff

206 Kearny Street

San Francisco

Please send me another portrait of yourself — the former one was stolen.

Answered

T. A. EDISON. 2 Sam

Menlo Park, N. J., Aug 17 1878

Fairpoint N Y 17
T A Edison
Menlo Park N J
Will Edison or friend be here
with phone 20th Much disappointment
if not answer
Dr L. G. McCabe

14 paid
Bkg g

T. A. EDISON. No 1

Menlo Park, N. J., Aug 19 1878

Dr L G McCabe
Fairpoint N Y

Mr Edison not returned - Impossible
for ~~any~~ us to get there in time
S L Griffin

~~13 paid~~
13 Collect

Sam & Bo

T. A. EDISON.

Menlo Park, N. J. Augs 1878

Springfield Wis 20

Thos A Edison

Name price phonograph by Telegraph

As per our letter

Moorehouse

& Warhurst

Paid

Hff 10th

Jun 9

Newhall House,
J. P. AN. L. Proprietor,
Milwaukee, Wis.

Rathbun House,
A. R. ANTISDEL, and CHAS. CUMMINGS, Proprietors,
Grand Rapids, Mich.

ANTISDEL HOUSE,

COR. MICHIGAN AND WASHINGTON AVES.

One Block West of City Hall.

Wm. W. ANTISDEL,
Proprietor.

DON C. ROGERS, H. DISTEL, } Clerks.

Detroit, Sept. 2nd 1878.

Thomas A. Edison Esq
Menlo Park, N. J.
Dear Sir.

I enclose, herewith, a little cutting from the Telegram of this city, and which, undoubtedly, has been in circulation throughout the Country to the great detriment of the poor devils who's misfortune it has been to exhibit the Phonograph. Of course I do not know if you have said any thing of the kind, but if you have, or have not, it has done no very great mischief. I have had to apologize and say that you have said nothing of the kind, when they insisted you had dont so. I have had to say in the blandest French that it was "a d— lie." that my Machine was better than any you had & by such "bulldozing" made

them believe you never said any such thing. That some of the machines have been most horrible & still more horrible operated, there has been some redeeming one. Mine no question but there has been has never failed to give satisfaction. It is one of the first that Bergman made with fly wheel. The papers have stated that you have made wonderful improvements from some of the stones one is made to believe, you have only to look your thoughts and the Phono, will speak them out. Now if you have any great & wonderful improvements what are they? & are they so simple that I can attach them to my machine? I am very anxious about this, and want you to do me the favor to sit right down after reading this & write me all about it. & if the Machine you talked into at Chicago, the new Bergman with a Mica diaphragm is a good one & table as nice as any you have now on hand! And also give me such information as will help me out of this loosing business, that spoke such

Newhall House,
J. P. ANT[illegible], Proprietor,
[illegible]ukee, Wis.

Rathbun House,
A. R. ANTISDEL, and CHAS. CUMMINGS, Proprietors,
Grand Rapids, Mich.

ANTISDEL HOUSE,
FOR. MICHIGAN AND WASHINGTON AVES.
One Block West of City Hall.

Wm. W. ANTISDEL, Proprietor.
DON C. ROGERS. H. DISTEL. } Clerks.

Detroit, 1878.

words of promise to our ears, and broke them to our hope.

Just to show you what a humbug you are will state, that I was explaining operating the machine to a couple of Frenchladies from Cook, and was flattering myself what a splendid showing up I had made with "The Greatest Wonder of the Age" one of them exclaimed "O och! 'thats nothing, I saw that in Ireland years "ago, a man spoke into a bung hole of a "barrel, and the barrel talked back again"

A good many of your Detroit friends are greatly disappointed that you did not come this way. I met a N. J. Bears who is Train dispatcher at Adrian, quite an old man, and he says if Tom Edison will come here with that same old straw hat, linen coat and pants that

he wore when he reached Adrian from Kentucky I'll guarantee him the biggest reception he ever had, & I know I mean - I wished he would, & at 25 & ahead.

But setting all this aside please write me on receipt of this & give me all the points and encouragement you can. Remember me to Batchelor & all,

Truly Your Friend

W F Wheeler

Address me
at this House.

Reynaud 28 Sept 78
S F Barron
rec'd Sept 26 78

Sept 15, 1878.

T. A. Edison, Esq.

Dear Sir:— You will pardon my not writing you before. I know you have as much as you can attend to, to answer your regular business correspondents. I thought I would wait till I saw you again and not bother you. Give regards to Mr Batchelor & tell him I have not forgotten his kindness. I will send the instrument home immediately if you wish, but I value so much attached to it as if it were a part

of myself. If you do not really need it or if you can spare it a while longer I should like to have it the more I see of the Phonograph the more I wonder at it. I have not shown it to many and not at all in public. I should like to hear a line from you

Look out for a pair of Newfoundland dogs when the cold weather sets in

Yours respect.

J. H. Barron

to 30 Baintridge Street
Brooklyn L. I.

GEO. H. SMARDON,
Manufacturers' Agent,
—FOR—
Standard Specialties,
ROOMS, 27 1-2 MARKET STREET,
(BROWN'S BLOCK,)
Opposite Post Office, PORTLAND, ME.

Portland Maine Oct. 15 - 1878.

Thomas A. Edison Esqr.
Menlo Park N. J.

Dear Sir -

I am and have been very much interested in your movements (for the past few months to say the least -) and am the owner of Phonograph #39 -

At this time I should be pleased to know more about the Microphone, its cost &c - Also in what manner will your Electric Light be introduced to the public - as I would like to start a Company here or elsewhere if proper arrangements can be made -

I have already written the Phonograph Co. of New York who refer me to you - I now am acting as Agent for this State for the New Eng. Telephone Co -

Yours with respect
Geo. H. Smardon
27½ Market St.

Agent for Maine for
New Eng. Telephone Co
also
Edison's Phonograph

Portland Me Oct 18 79

T. S. H. Morton

Aug 1 Oct 18 79

Office of the New-York Associated Press:

No. 197 BROADWAY.

P. O. Box 3363.

New York, Oct. 16th 1878

Thos. A. Edison Esq.

My dear Sir:

Will you kindly inform me with whom I can arrange here in the city for an exhibition of your phonograph in Mexico — Western part of the State? I had understood that Mr. Johnston was your agent, but he tells me that he doesn't make arrangements for any of these exhibitions.

An immediate reply will be a favor to

Yours truly,

D. A. Crossmena

Edison's

Electric Pen and Multiplying Press

address

Geo. H. Bliss
General Manager.

G. W. MacKenzie
General Business Agent
267 Broadway N.Y.

New York Oct. 24 1878

T. A. Edison Esq.
Menlo Park, N.J.

Dear Sir,

I forgot to ask you what my status is on the Phonograph business.

Am I put on the shelf? If Painter has figured me out of the interest I was to have I shall have a fearful grudge against him.

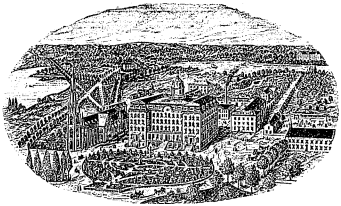
They dont even know whether I can have a commission on Phonographs which may be sold by me.

Please drop me a line stating what I stand.

Respectfully,

Geo. H. Bliss

†
J M J



University of Notre Dame,

Notre Dame, Ind., Oct. 26 1878

To Thos A. Edison Esq.

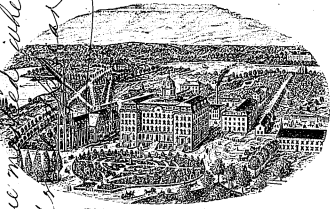
My Dear Sir.

I have been exhibiting your phonograph No 116 at this college for the past 3 days, and have also been experimenting with Prof. J. A. Zahm.

The Prof. wishes to purchase a machine, and one of the old kind will do, for it will operate just as satisfactorily as one of a more improved pattern.

Send a copy of the paper where you first saw it

†
J M J



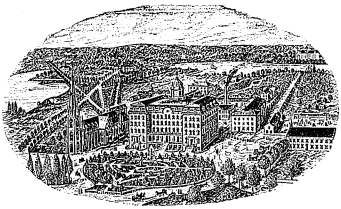
University of Notre Dame,

Notre Dame, Ind., 187

Prof. J. A. Zahm has just rec'd from the Paris Expo. and says he can get one at Paris delivered here for about 15.00 and says; "I will not pay the price that is asked for them, but will give $25.00 cash and ½ column "ad" in Notre Dame Scholastic until July 1st 1879." also; "Three or four editorials which will enable you or any one else exhibiting the Phonograph a chance to give exhibitions before every Catholic

†

J M J



University of Notre Dame,

Notre Dame, Ind., ... 187

institution I may chance to run across. This college is the largest in America and I think it would pay you to accept of this offer. The Paper in which the "ad" would be inserted has a circulation of 10000. all over this country. I will be pleased to hear from you at once I hope this offer will prove satisfactory.

It will be a big ad for you. I although I suppose you need it not.

over

Detroit Mich
Oct 20. 78
Geo G Spencer
Ans Oct 27/78

I am having fair success with this machine, I can just make it hum.

Let me hear from you at once and oblige

Yours Very Resp

Geo. G. Spencer

#182. East Woodbridge St

Detroit Mich

Franklin Grove, Ill.,
Nov. 11th, 1888.

Prof. Thomas A. Edison.
Menlo Park,
New Jersey.

Dear Sir:—

Please inform me what course I place persons to obtain one of your Musical Phonographs for Advertising purposes. I have not very much available money and further have no idea what the probable cost of the instrument may be.

I am favorably impressed with the thing and really believe if properly managed would prove a source of ready financial income, aside as amusement and instruction.

I am Chicago represents himself as your Gen'l Manager. Have you a person legitimately employed? Do you know I keep among friend here?

Very respectfully,
D. N. Lytle

Franklin Grove Ill
Nov 11-78

G. W. Tyle

I answered him asking for addr of party who represented himself as Claims genl Mgr

Also sent extract of his letter relating to Phons to the Phons Co

Nov 13 78

Trumbull County Ohio,
Nov. 18th 1878

Prof. T. A. Edison,
Menlo Park, N.J.

Dear Sir
Your letter
of Nov. 15th duly rec'd.

Replying would say that I have with me the three correspondence that has passed between the Chiefs of Ps. of Echoes & Nonpareil Co. & the letters they sent me.

I have just rec'd a letter from Mr. the contents of which I send, which is a strange one. not having had time to examine.

I hope to be in my notice stolen by, Round over, and Tendercircle and something definite as to Phonograph. I am to a great extent afraid of Mr. Henry Hawkings.

Yours Respectfully
Geo. W. Hull

Boston
Nov 27 78
Dr Clarence Blake
Auth by Bell
Nov 30 78

Boston Hotel Berkeley
Nov. 27. 1878.

My dear Sir.

I am at present writing a paper the first part of which is to appear in the American Journal of Otology, going to press Dec. 2nd — on the Graphic and Photographic illustration of Sound waves.

— This paper is intended to be.

1. a review of the work done since the first communication of Weber in 1830 including the phonograph. and

2. a series of experiments with the phonograph disc and human membrane tympani (similar to those of Fleming Jenkin with the phonograph) which will continue in the same journal during 1879.

I enclose the first part of —

the invention of your phonograph and should be very much obliged if you or Mr Batchelder would add information, which you would be willing to have published, as to the time of the first inception of the idea of the phonograph and the train of thought or of experiment which led to the use of the present recording tin foil.

As this paper will be widely distributed among scientific societies both here and abroad, I should like to have the history of the phonograph as briefly and accurately stated as possible.

Very truly yours
Clarence J Blake

copy.

The accomplishment of what has justly been called the acoustic marvel of this century remained for Mr. Edison who was led to the construction of the talking phonograph by a consideration of the marked vibration of a ferro-type telephone disc in response to the human voice.

The punctures made in paper by the electric pen suggested the possibility of making a record upon a yielding substance by means of a similar point set in motion, not by an electro-magnet, as in the electric pen, but by the vibrations of the ferro-type disc, which permanent record could in its turn recommunicate the vibrations to the telephone disc and so render them audible.

Banked Dec 16 78
Answ'd by Telegram Dec 17 78

3909 Locust St.
Philadelphia Dec. 16, 1878.

My dear Edison:—

I am in receipt this evening of a letter purporting to come from you and signed Carman (whom I do not know) asking me to return the phonograph which you sent me a month ago. As I do not at all understand the letter, I write to find out about it. I spoke to you when we were on our trip last summer about your getting me the use of a phonograph with which I could make some experiments upon consonant sounds. I believe I also spoke about having the instrument when I went over the subject of acoustics in my class lectures. I do

that I could show it to them. When the phonograph came I supposed it was sent in answer to my request of last summer. By the letter of today, it seems as if you thought I wanted it for my lectures at the Academy; though what I wanted a phonograph for in a lecture on the electric light, doesn't appear. No: I wanted it for my class lectures. And those take place next month. I have been practicing with the phonograph & getting ready to use it; and hoped I was to have it for some months. However, if you must have it, wire me at once on receipt of this and I will ship it to you tomorrow, of course.

Yours truly
George F. Barker.

TELEGRAM.

Dated N.Y. 7

To Dear Tom

Tried to catch you in NY today but failed. Will you be at home tomorrow, Wednesday, if so please telegraph me & I will call on you then. I contemplate a trip with a phonograph if can arrange with you. A journalistic friend of mine in Troy is my friend with

TELEGRAM.

Dated:

To

on the subject of his "gift of gab" this newspaper influence why can't he make some money? His friend of mine is also City Clerk of Troy & has got a big pull in the surrounding cities. Please answer

Yours truly Geo F. Stewart
Ass'd Press office

Mr Carman

Please send by express to-morrow about 2 pounds of the long narrow tin foil to J. P. Green N. Y. Building.

T. A. Edison

To Mr Heenan

Press Association, N. Y.

Get 5 lb tin foil from Pearce or Johnson in morning without fail we have none.

T. A. Edison

University

M

My dear Mr Edison Now I send you a diamond point. If it is not the correct shape just make a drawing of the shape you wish and I will grind it for you

Sincerely

M Arnold

from Phila to

T A Edison

please send us by express to night two or three pounds tin foil. for our phonograph. have ordered from New York but fear it may not reach us by tomorrow

say

N Bentley

Ans

Phila.

Thos A Edison

I am ready to return the Phonograph to you. Cheever wants me send to him and Connoll and Sargent bill against boys to give it to them what shall I do - the last

N Bentley

An utterance by Edison's Phonograph.

Behold! what marvels meet our sight,
Where science sheds her wonderous light.
I'm but a brass, and iron thing,
Yet I can talk, and laugh, and sing,
Can cough, and sneeze, and also kiss,
If hit quite near, a sweet young miss,
Give me a message to your friend;
Your very voice, I'll hear, distinct.
Ah! I'll rehearse, what you have said,
When years have passed, and you are dead.
Perchance in time, I may repeat,
Niagara's roar — old Ocean's beat,
The thunder's roll — the battle's stroke,
The sirens song — the organ's note.
I'm made by one, whose worthy name,
His thoughts and deeds, exalt to fame,
And Edison, shall ever stand,
Amoung the famous of our land.

11111 P

The Phonograph

Edison is piling the agony on to the scientists. The Quadruplex movement, Electric Pen, Telephone and Phonograph! If that man is not suppressed there will be nothing left worth living for. You do not know what the Phonograph is? Well, Puck will tell you. A quadruplex, double-driving, oscillatory cog-wheel, gyrating on a fluted pedestal by the positive & negative current from a cautery voltaic battery strikes the atmospheric tympanic diaphragm on a hydraulic cylindrical barometer. The vibrations depending on the vibrating armature of the secondary coil produces dynamic Faradization. Ahem! That's about all Puck can remember of the technical description, and he sincerely hopes that this little outburst of public confidence may not tempt any unprincipled person to infringe Mr. Edison's patents the fact is the inventor gave a private exhibition of the marvel to one of Puck's noble army of special correspondents. The Phonograph is a small box, like a gray, hundy-gundy, and if you turn a handle, it talks to you. The first words it uttered were "Puck, the pride & glory of the nineteenth century which shows that the thing is sagacious as well as loquacious. The voice came into the box this-wise. You talk into Box No. 1. and the obeying voice drives a needle which punctures holes on a strip of paper. You place this strip into Box No. 2., play the hundy-gundy, and the words you have uttered are repeated distinctly. Mother-in-law, country contributors, book-agents and Henry Ward Beecher are to be debarred by special act of Congress from any participation in the use of this wonderful instrument.

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END

18

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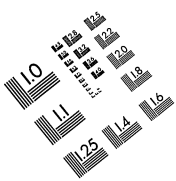

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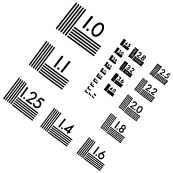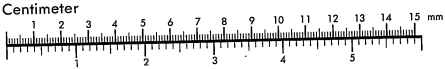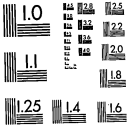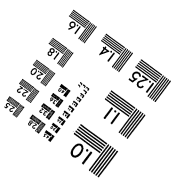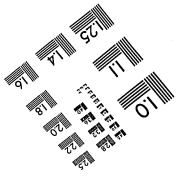
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